Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	85	multiple adj hydroxy adj groups	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/15 18:26
L2	0	(at adj least adj three) adj hydroxy adj groups	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/15 18:25
L3	102	multiple adj hydroxy adj (groups or substituents)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/15 18:42
L4	8930	polyarylene	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/15 18:26
L5	0	3 and 4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/15 18:26
L6	364	(alkylaryl or alkyl adj aryl) near10 (polyhydroxy or trihydroxy or dihydroxy)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/15 18:44
L7	83	(alkylaryl) near10 (polyhydroxy or trihydroxy or dihydroxy)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/15 18:45
L8	63	(alkylaryl) near10 (polyhydroxy or trihydroxy)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/15 18:45

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	"6187248".pn.	US-PGPUB; USPAT	OR	ON	2005/05/15 16:39
L2	1	"6303733".pn.	US-PGPUB; USPAT	OR	ON	2005/05/15 16:45
L3	1	"6124421".pn.	US-PGPUB; USPAT	OR	ON	2005/05/15 16:46
L4	2	"255941".ap.	US-PGPUB; USPAT	OR	ON	2005/05/15 16:47
L5	1	"6824833".pn.	US-PGPUB; USPAT	OR	ON	2005/05/15 16:48
L6	2	jp-2003096277-$.did.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2005/05/15 16:51
L7	3448	polyarylene.ti.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2005/05/15 16:52
L8	399	polyarylene.ti.	USPAT	OR	ON	2005/05/15 16:53
L9	44	(polyarylene adj ether).ti.	USPAT	OR	ON	2005/05/15 17:20
L10	20627	benzyloxy	USPAT	OR	ON	2005/05/15 17:09
L12	62	benzyloxy.ab.	US-PGPUB	OR	ON	2005/05/15 17:10
L13	2	terminal adj trihydroxy	USPAT	OR	ON	2005/05/15 17:16
L14	8	((end adj group) or terminal) near5 trihydroxy	USPAT	OR	ON	2005/05/15 17:17
L15	14	((end adj group) or terminal) near5 trihydroxy	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/15 17:19
L16	239	((end adj group) or terminal) near5 polyhydroxy	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/15 17:23
L17	1564	(polyarylene adj ether)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/15 17:20

L18	0	16 and 17	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/15 17:22
L19	549	(polyarylene adj ether).ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/15 17:23
L20	0	16 and 19	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/15 17:23
L21	1564	(polyarylene adj ether)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/15 17:23
L22	0	21 and 16	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/15 17:23

FILE 'REGISTRY' ENTERED AT 15:08:01 ON 15 MAY 2005

L1		STRUCTURE UPLOADED
L2	161	S L1 FULL
L3		STRUCTURE UPLOADED
L4	1704	S L3 FULL
L5	4	S L2 AND L4
L6		STRUCTURE UPLOADED
L7	30871	S L6 FULL
L8		STRUCTURE UPLOADED
L9		STRUCTURE UPLOADED
L10		STRUCTURE UPLOADED
L11	28607	S L8 FULL
L12	2387	S L9 FULL
L13	30752	S L10 FULL
L14	1	S 80-05-7
L15	0	S L14 AND L2
L16		STRUCTURE UPLOADED
L17	880	S L16 FULL
L18	0	S L2 AND L17
L19		STRUCTURE UPLOADED
L20	334	S L19 FULL
L21	0	S L4 AND L20
L22	0	S L20 AND L4
L23	39	S L20 AND L11
L24	2	S L20 AND L12
L25	39	S L20 AND L13
L26		STRUCTURE UPLOADED
L27	50	S L26
L28	93816	S L27 FULL
L29		STRUCTURE UPLOADED
L30	30752	S L29 FULL
L31		STRUCTURE UPLOADED
L32	880	S L31 FULL
L33		STRUCTURE UPLOADED
L34	1051	S L33 FULL
L35		STRUCTURE UPLOADED
L36	1868	S L35 FULL
L37	0	S L20 AND (L30 OR L32) AND (L34 OR L36)
L38	753	S (L30 OR L32) AND (L34 OR L36)
L39	73803	S TRIHYDROXY OR TRISHYDROXY
L40	0	S L38 AND L39

FILE 'CAPLUS' ENTERED AT 15:49:21 ON 15 MAY 2005

L41	1409	S L38
L42	18867	S TRIHYDROXY OR TRISHYDROXY
L43	0	S L41 AND L42
L44	2143	S POLYARYLENE
L45	110	S L41 AND L44
L46	578	S POLYARYLENE/TI
L47	41	S L46 AND L41

FILE 'REGISTRY' ENTERED AT 16:19:39 ON 15 MAY 2005

L48		STRUCTURE UPLOADED
L49		STRUCTURE UPLOADED
L50	657	S L48 FULL
L51	83	S HYDROXYPHENOL
L52	1	S 123-31-9
L53	299	S L49 FULL
L54	1	S L20
L55	334	S L19 FULL

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     FILE 'REGISTRY' ENTERED AT 16:26:03 ON 15 MAY 2005
L56         334 S L19 FULL

     FILE 'CAPLUS' ENTERED AT 16:28:04 ON 15 MAY 2005
L57         379 S POLYARYLENE ETHER
L58           0 S BISHYDROXYPHENYLBENZOPHENONE

     FILE 'REGISTRY' ENTERED AT 16:29:33 ON 15 MAY 2005
L59           1 S HYDROXYPHENYLBENZOPHENONE

     FILE 'CAPLUS' ENTERED AT 16:30:40 ON 15 MAY 2005
L60       30420 S BENZOPHENONE
L61          14 S L57 AND L60

     FILE 'USPATFULL' ENTERED AT 16:35:32 ON 15 MAY 2005

=> s polyarylene ether and benzophenone
          3269 POLYARYLENE
        335810 ETHER
           529 POLYARYLENE ETHER
                 (POLYARYLENE(W)ETHER)
         31388 BENZOPHENONE
L62         81 POLYARYLENE ETHER AND BENZOPHENONE
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(FILE 'HOME' ENTERED AT 14:03:40 ON 15 MAY 2005)

FILE 'REGISTRY' ENTERED AT 14:03:53 ON 15 MAY 2005
L1 STRUCTURE UPLOADED
L2 50 S L1
L3 1704 S L1 FULL
L4 STRUCTURE UPLOADED
L5 2932 S L4 FULL
L6 19 S L5 AND L3

FILE 'CAPLUS' ENTERED AT 14:13:44 ON 15 MAY 2005
L7 17 S L6
L8 STRUCTURE UPLOADED

FILE 'REGISTRY' ENTERED AT 14:23:32 ON 15 MAY 2005
L9 42 S L8
L10 4407 S L8 FULL
L11 84 S L10 AND L5

FILE 'CAPLUS' ENTERED AT 14:24:01 ON 15 MAY 2005
L12 118 S L11
L13 2143 S POLYARYLENE
L14 3 S L12 AND L13

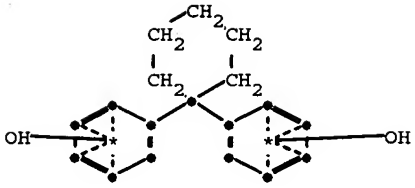
FILE 'REGISTRY' ENTERED AT 14:27:26 ON 15 MAY 2005

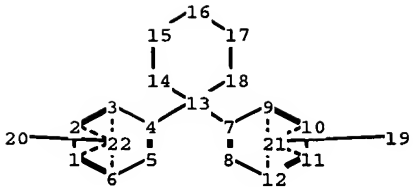
FILE 'CAPLUS' ENTERED AT 14:27:27 ON 15 MAY 2005

FILE 'REGISTRY' ENTERED AT 14:27:34 ON 15 MAY 2005
L15 22 S L3 AND L10
L16 19 S L3 AND L5

FILE 'REGISTRY' ENTERED AT 14:41:59 ON 15 MAY 2005

=>


CH2
CH2
CH2
CH2
CH2
OH
OH


16
15
17
14
18
13
3
9
2
4
7
10
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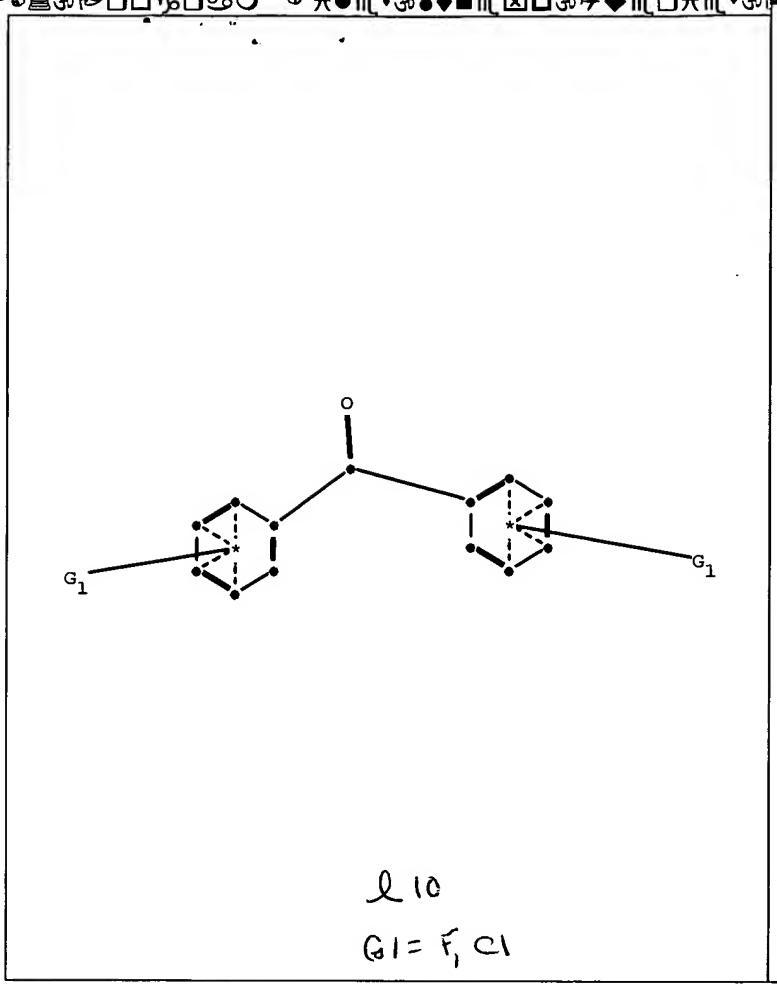
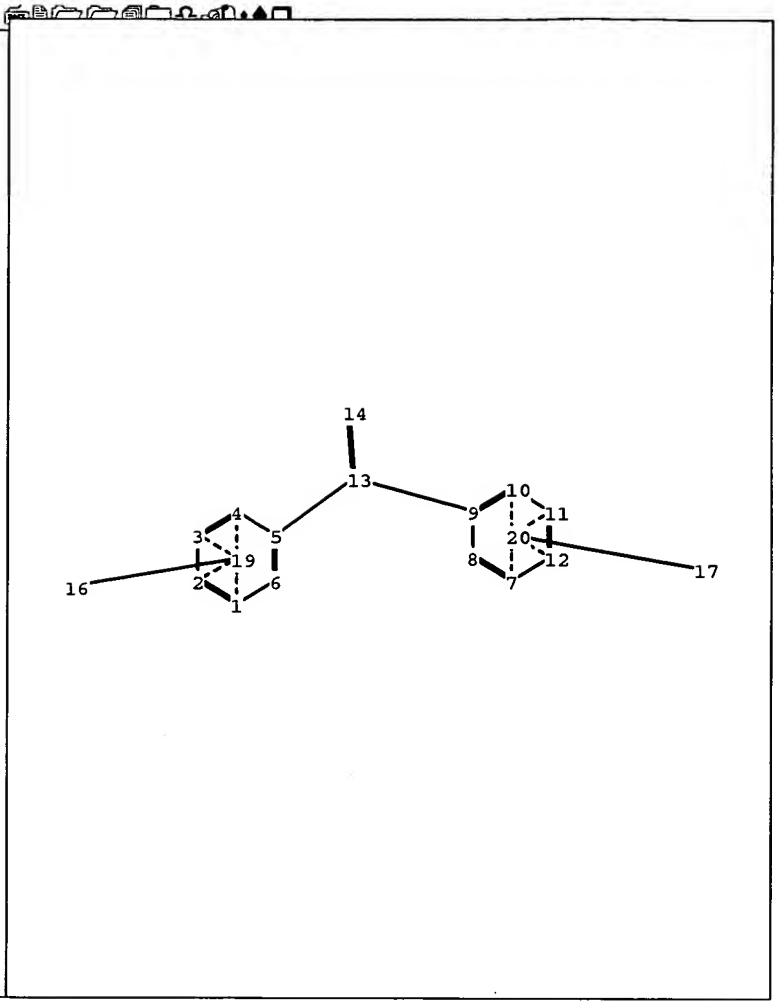
22
21
19
1
5
8
11
6
12

l3 721140a


O
G1
G1
l 10
G1 = F, Cl


14
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9
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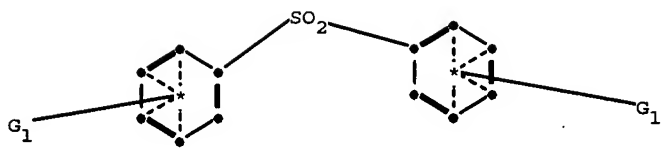
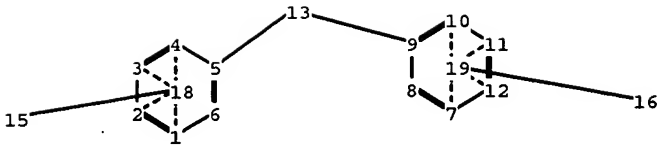
3
5
20
19
12
8
2
6
7
16
1
17





l 5

$G_1 = F, Cl$

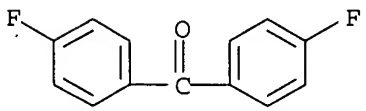
L47 ANSWER 1 OF 41 CAPLUS COPYRIGHT 2005 ACS on STN
TI Process for preparing substituted **polyarylene** ethers

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2004122204	A1	20040624	US 2002-322110	20021217
	JP 2004197098	A2	20040715	JP 2003-419449	20031217
PRAI	US 2002-322110	A	20021217		

IT **339279-77-5DP**, tert-butylphenyl-terminated, bromomethyl derivs., reaction products with sodium acrylate **709648-06-6DP**, tert-butylphenyl-terminated, bromomethyl derivs., reaction products with sodium acrylate
RL: IMF (Industrial manufacture); PREP (Preparation)
(preparation of halomethylated polyphenylene ethers for preparation of photosensitive polymers)
RN 339279-77-5 CAPLUS
CN Methanone, bis(4-fluorophenyl)-, polymer with 4,4'-(1-methylethylidene)bis[2-methylphenol] (9CI) (CA INDEX NAME)

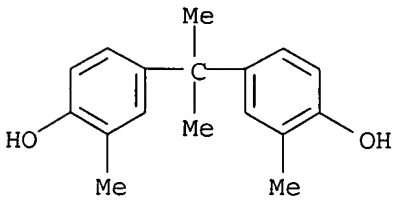
CM 1

CRN 345-92-6
CMF C13 H8 F2 O



CM 2

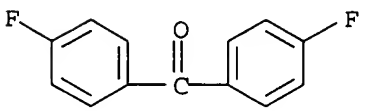
CRN 79-97-0
CMF C17 H20 O2



RN 709648-06-6 CAPLUS
CN Methanone, bis(4-fluorophenyl)-, polymer with 4,4'-(1-methylethylidene)bis[2-methylphenol] and 4,4'-(1-methylethylidene)bis[phenol] (9CI) (CA INDEX NAME)

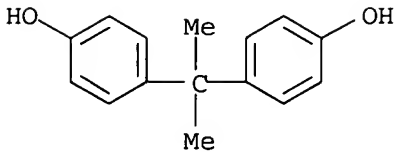
CM 1

CRN 345-92-6
CMF C13 H8 F2 O



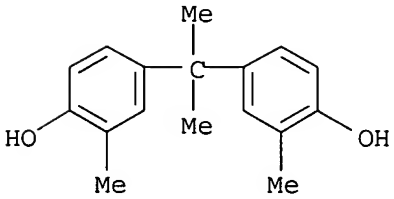
CM 2

CRN 80-05-7
CMF C15 H16 O2



CM 3

CRN 79-97-0
CMF C17 H20 O2



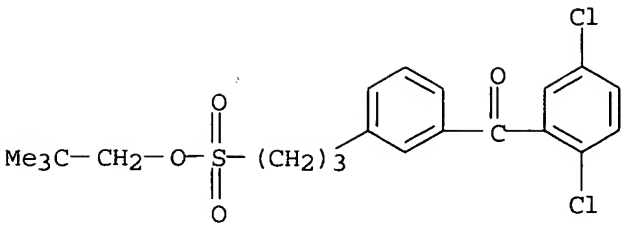
L47 ANSWER 2 OF 41 CAPLUS COPYRIGHT 2005 ACS on STN
TI Aromatic sulfonate derivative, **polyarylene**, sulfonated **polyarylene** and production method thereof, macromolecular solid electrolyte, and proton conductive membrane

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1431281	A1	20040623	EP 2003-28999	20031217
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
	JP 2004196947	A2	20040715	JP 2002-367042	20021218
	US 2004126639	A1	20040701	US 2003-734194	20031215
PRAI	JP 2002-367042	A	20021218		

IT **705967-34-6P**
RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)
(aromatic sulfonate derivative, polyarylene, sulfonated polyarylene and production method thereof, macromol. solid electrolyte, and proton conductive membrane)
RN 705967-34-6 CAPLUS
CN Benzenepropanesulfonic acid, 3-(2,5-dichlorobenzoyl)-, 2,2-dimethylpropyl ester, polymer with bis(4-chlorophenyl)methanone and 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis[phenol] (9CI) (CA INDEX NAME)

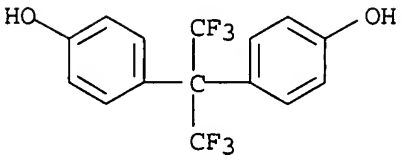
CM 1

CRN 705967-33-5
CMF C21 H24 Cl2 O4 S



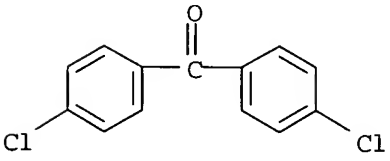
CM 2

CRN 1478-61-1
CMF C15 H10 F6 O2



CM 3

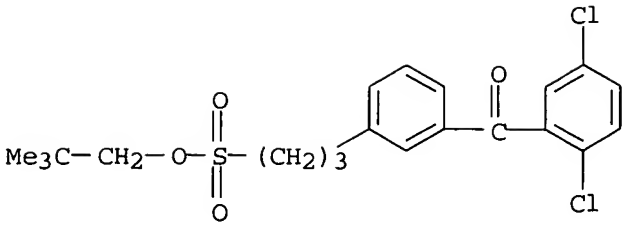
CRN 90-98-2
CMF C13 H8 Cl2 O



IT **705967-34-6DP**, hydrolyzed
RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(aromatic sulfonate derivative, polyarylene, sulfonated polyarylene and production
method thereof, macromol. solid electrolyte, and proton conductive membrane)
RN 705967-34-6 CAPLUS
CN Benzenepropanesulfonic acid, 3-(2,5-dichlorobenzoyl)-, 2,2-dimethylpropyl ester, polymer with bis(4-chlorophenyl)methanone and 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis[phenol] (9CI) (CA INDEX NAME)

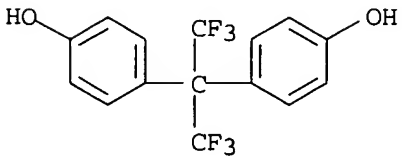
CM 1

CRN 705967-33-5
CMF C21 H24 Cl2 O4 S



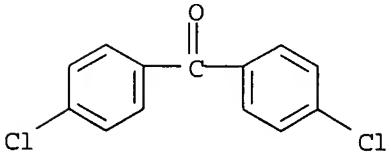
CM 2

CRN 1478-61-1
CMF C15 H10 F6 O2



CM 3

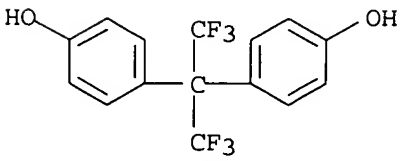
CRN 90-98-2
CMF C13 H8 Cl2 O



IT **122325-09-1P**, Bisphenol AF-4,4'-dichlorobenzophenone copolymer
RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)
(oligomeric; aromatic sulfonate derivative, polyarylene, sulfonated polyarylene and production method thereof, macromol. solid electrolyte, and proton conductive membrane)
RN 122325-09-1 CAPLUS
CN Methanone, bis(4-chlorophenyl)-, polymer with 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis[phenol] (9CI) (CA INDEX NAME)

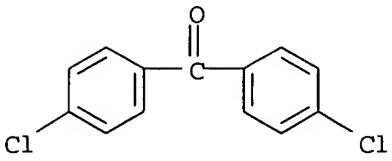
CM 1

CRN 1478-61-1
CMF C15 H10 F6 O2



CM 2

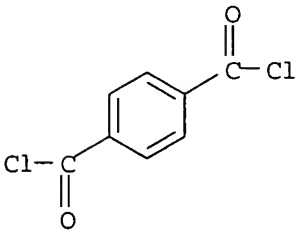
CRN 90-98-2
CMF C13 H8 Cl2 O



L47 ANSWER 3 OF 41 CAPLUS COPYRIGHT 2005 ACS on STN
TI **Polyarylene** polysulfones melt thermooxidative degradation kinetics of autoaccelerated type
IT **137560-12-4**, Bisphenol A-4,4'-dichlorodiphenyl sulfone-isophthaloyl chloride-terephthaloyl chloride block copolymer
RL: PRP (Properties)
(polyarylene polysulfones melt thermooxidative degradation kinetics of autoaccelerated type)
RN 137560-12-4 CAPLUS
CN 1,3-Benzenedicarbonyl dichloride, polymer with 1,4-benzenedicarbonyl dichloride, 4,4'-(1-methylethylidene)bis[phenol] and 1,1'-sulfonylbis[4-chlorobenzene], block (9CI) (CA INDEX NAME)

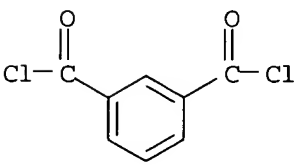
CM 1

CRN 100-20-9
CMF C8 H4 Cl2 O2



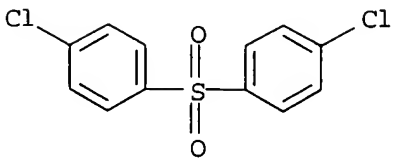
CM 2

CRN 99-63-8
CMF C8 H4 Cl2 O2



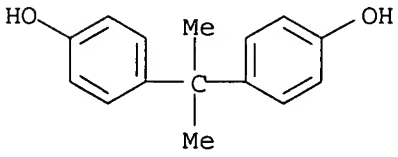
CM 3

CRN 80-07-9
CMF C12 H8 Cl2 O2 S



CM 4

CRN 80-05-7
CMF C15 H16 O2



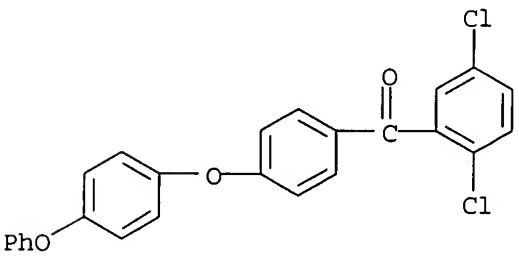
L47 ANSWER 4 OF 41 CAPLUS COPYRIGHT 2005 ACS on STN
TI Method for stopping polymerization reaction of **polyarylene**-based polymers

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2004107569	A2	20040408	JP 2002-275113	20020920

PRAI JP 2002-275113 20020920
IT **463963-71-5P**
RL: IMF (Industrial manufacture); PREP (Preparation)
(method for stopping polymerization reaction of polyarylene-based polymers)
RN 463963-71-5 CAPLUS
CN Methanone, bis(4-chlorophenyl)-, polymer with (2,5-dichlorophenyl)[4-(4-phenoxyphenoxy)phenyl]methanone and 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis[phenol] (9CI) (CA INDEX NAME)

CM 1

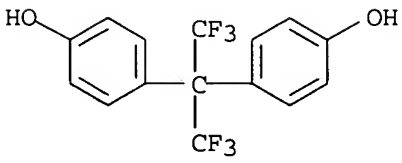
CRN 463954-50-9
CMF C25 H16 Cl2 O3



CM 2

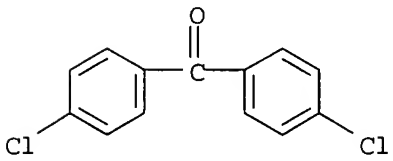
CRN 1478-61-1

CMF C15 H10 F6 O2



CM 3

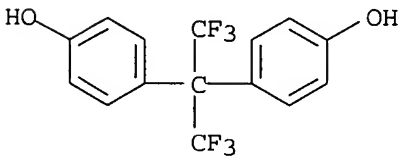
CRN 90-98-2
CMF C13 H8 Cl2 O



IT **122325-09-1P**
RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)
(method for stopping polymerization reaction of polyarylene-based polymers)
RN 122325-09-1 CAPLUS
CN Methanone, bis(4-chlorophenyl)-, polymer with 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis[phenol] (9CI) (CA INDEX NAME)

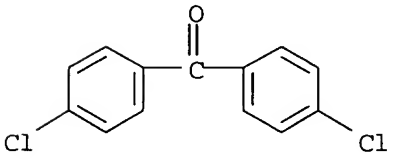
CM 1

CRN 1478-61-1
CMF C15 H10 F6 O2



CM 2

CRN 90-98-2
CMF C13 H8 Cl2 O

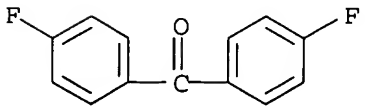


p-tert-butylphenol terminated **69254-20-2DP**, 4,4'-Difluorobenzophenone-hexafluorobisphenol A copolymer, p-tert-butylphenol terminated
RL: IMF (Industrial manufacture); PREP (Preparation)
(process for preparing polyarylene ether copolymers)

RN 25897-65-8 CAPLUS
CN Methanone, bis(4-fluorophenyl)-, polymer with 4,4'-(1-methylethylidene)bis[phenol] (9CI) (CA INDEX NAME)

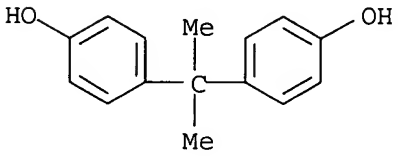
CM 1

CRN 345-92-6
CMF C13 H8 F2 O



CM 2

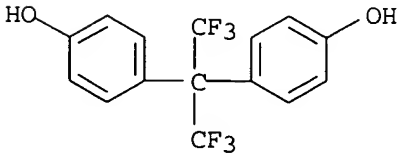
CRN 80-05-7
CMF C15 H16 O2



RN 69254-20-2 CAPLUS
CN Methanone, bis(4-fluorophenyl)-, polymer with 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis[phenol] (9CI) (CA INDEX NAME)

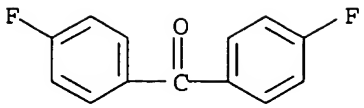
CM 1

CRN 1478-61-1
CMF C15 H10 F6 O2



CM 2

CRN 345-92-6
CMF C13 H8 F2 O



L47 ANSWER 7 OF 41 CAPLUS COPYRIGHT 2005 ACS on STN

TI **Polyarylene**-based copolymers, their sulfonated polymers, and their proton-conducting films

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2003212988	A2	20030730	JP 2002-10745	20020118

PRAI JP 2002-10745 20020118

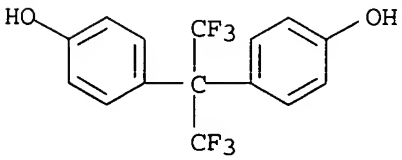
IT **122325-09-1P**, Bisphenol AF-4,4'-dichlorobenzophenone copolymer
RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)
(chloro-terminated; polyarylene-based copolymers and their sulfonated polymers for proton-conducting films showing good toughness, durability, oxidation and heat resistances, and proton conductivity)

RN 122325-09-1 CAPLUS

CN Methanone, bis(4-chlorophenyl)-, polymer with 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis[phenol] (9CI) (CA INDEX NAME)

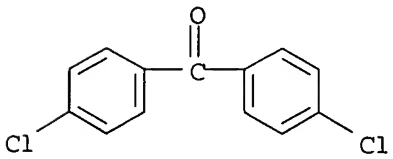
CM 1

CRN 1478-61-1
CMF C15 H10 F6 O2



CM 2

CRN 90-98-2
CMF C13 H8 Cl2 O



IT **463963-71-5DP**, Bisphenol AF-4,4'-dichlorobenzophenone-2,5-dichloro-4'-(4-phenoxy)phenoxybenzophenone copolymer, sulfonated
RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(polyarylene-based copolymers and their sulfonated polymers for proton-conducting films showing good toughness, durability, oxidation and heat resistances, and proton conductivity)

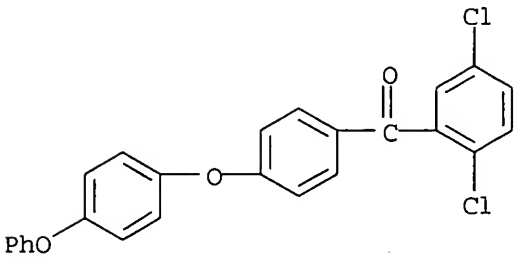
RN 463963-71-5 CAPLUS

CN Methanone, bis(4-chlorophenyl)-, polymer with (2,5-dichlorophenyl)[4-(4-phenoxyphenoxy)phenyl]methanone and 4,4'-[2,2,2-trifluoro-1-

(trifluoromethyl)ethylidene]bis[phenol] (9CI) (CA INDEX NAME)

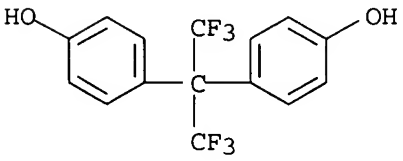
CM 1

CRN 463954-50-9
CMF C25 H16 Cl2 O3



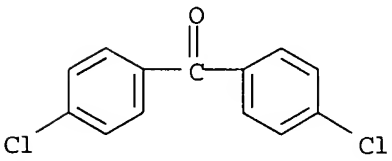
CM 2

CRN 1478-61-1
CMF C15 H10 F6 O2



CM 3

CRN 90-98-2
CMF C13 H8 Cl2 O



L47 ANSWER 8 OF 41 CAPLUS COPYRIGHT 2005 ACS on STN
TI Sulfonated **polyarylene** composition and proton-conductive membrane

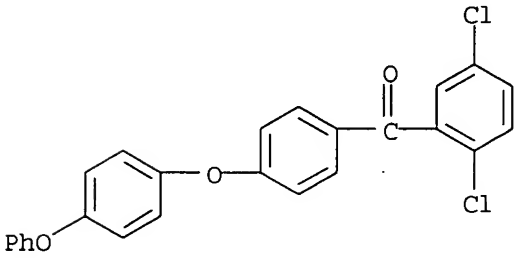
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 2003183526	A2	20030703	JP 2001-391748	20011225
PRAI JP 2001-391748		20011225		

IT **463963-71-5DP**, Bisphenol AF-4,4'-dichlorobenzophenone-2,5-dichloro-4'-(4-phenoxy)phenoxybenzophenone copolymer, sulfonated
RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(sulfonated polyarylene composition containing hindered phenol and hindered amine antioxidants for proton-conductive membrane)

RN 463963-71-5 CAPLUS
CN Methanone, bis(4-chlorophenyl)-, polymer with (2,5-dichlorophenyl)[4-(4-phenoxyphenoxy)phenyl]methanone and 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis[phenol] (9CI) (CA INDEX NAME)

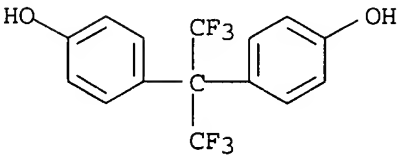
CM 1

CRN 463954-50-9
CMF C25 H16 Cl2 O3



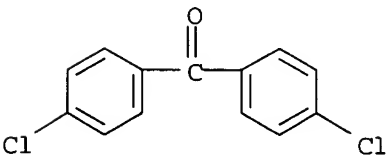
CM 2

CRN 1478-61-1
CMF C15 H10 F6 O2



CM 3

CRN 90-98-2
CMF C13 H8 Cl2 O



L47 ANSWER 9 OF 41 CAPLUS COPYRIGHT 2005 ACS on STN
TI Manufacture of branched **polyarylene** polymers with high toughness, their sulfonated products, and proton-conducting membranes

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 2003113226	A2	20030418	JP 2001-307430	20011003
PRAI JP 2001-307430		20011003		

IT **122325-09-1P**, 4,4'-Dichlorobenzophenone-hexafluorobisphenol A copolymer
RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT

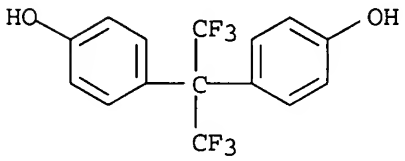
(Reactant or reagent)
(manufacture of sulfonated branched polyarylene polymers with high toughness for proton-conducting membranes)

RN 122325-09-1 CAPLUS

CN Methanone, bis(4-chlorophenyl)-, polymer with 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis[phenol] (9CI) (CA INDEX NAME)

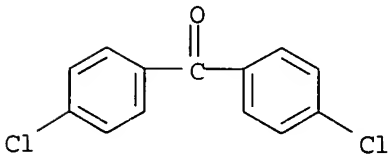
CM 1

CRN 1478-61-1
CMF C15 H10 F6 O2



CM 2

CRN 90-98-2
CMF C13 H8 Cl2 O



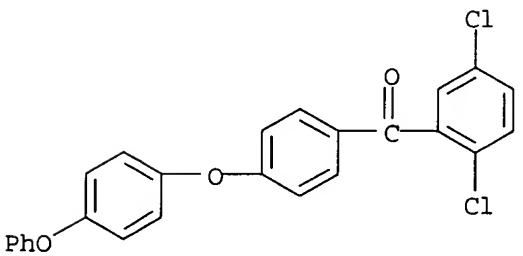
IT **509075-82-5DP**, reaction products with chlorobenzophenone, sulfonated
RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(manufacture of sulfonated branched polyarylene polymers with high toughness for proton-conducting membranes)

RN 509075-82-5 CAPLUS

CN Methanone, bis(4-chlorophenyl)-, polymer with (4-chlorophenyl)(2,4-dichlorophenyl)methanone, (2,5-dichlorophenyl)[4-(4-phenoxyphenoxy)phenyl]methanone and 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis[phenol] (9CI) (CA INDEX NAME)

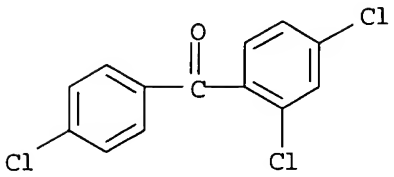
CM 1

CRN 463954-50-9
CMF C25 H16 Cl2 O3



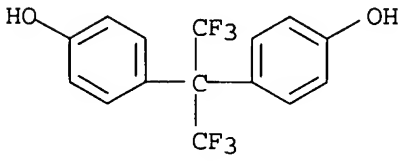
CM 2

CRN 33146-57-5
CMF C13 H7 Cl3 O



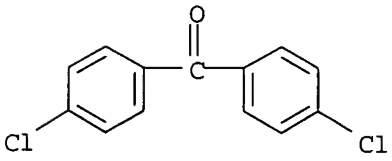
CM 3

CRN 1478-61-1
CMF C15 H10 F6 O2



CM 4

CRN 90-98-2
CMF C13 H8 Cl2 O

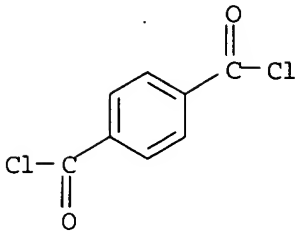


L47 ANSWER 10 OF 41 CAPLUS COPYRIGHT 2005 ACS on STN
TI Physical aspects of stabilization of polyarylate-**polyarylene**-polysulfone-polysulfoxide
IT **137560-12-4**
RL: PEP (Physical, engineering or chemical process); POF (Polymer in formulation); PYP (Physical process); PROC (Process); USES (Uses)
(phys. aspects of stabilization of block aromatic polyester-polysulfones with 4,8-bis(1,1-dimethylethyl)-6-ethoxy-2,10-dimethyl-12H-dibenzo[d,g][1,3,2]dioxaphosphocin)
RN 137560-12-4 CAPLUS
CN 1,3-Benzenedicarbonyl dichloride, polymer with 1,4-benzenedicarbonyl dichloride, 4,4'-(1-methylethylidene)bis[phenol] and 1,1'-sulfonylbis[4-chlorobenzene], block (9CI) (CA INDEX NAME)

CM 1

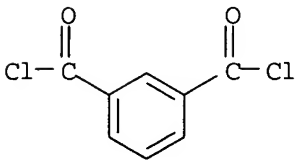
CRN 100-20-9

CMF C8 H4 Cl2 O2



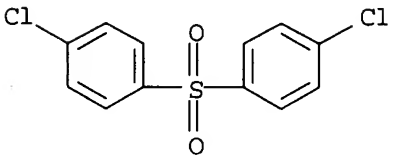
CM 2

CRN 99-63-8
CMF C8 H4 Cl2 O2



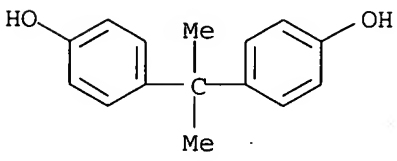
CM 3

CRN 80-07-9
CMF C12 H8 Cl2 O2 S



CM 4

CRN 80-05-7
CMF C15 H16 O2



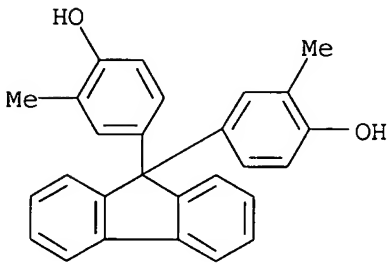
L47 ANSWER 11 OF 41 CAPLUS COPYRIGHT 2005 ACS on STN
TI Aromatic **polyarylene** ether-based compositions and their materials for electrically insulating film formation

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE

PI JP 2002003752 A2 20020109 JP 2000-186518 20000621
PRAI JP 2000-186518 20000621
IT **383434-84-2P**, 9,9-Bis(4-hydroxyphenyl)fluorene-9,9-bis(4-hydroxy-3-methylphenyl)fluorene-4,4'-difluorobenzophenone-2,2'-diallylbisphenol A copolymer
RL: IMF (Industrial manufacture); PRP (Properties); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(crosslinked; aromatic polyarylene ether-based crosslinkable coatings for elec. insulators with crack and heat resistance)
RN 383434-84-2 CAPLUS
CN Methanone, bis(4-fluorophenyl)-, polymer with 4,4'-(9H-fluoren-9-ylidene)bis[2-methylphenol], 4,4'-(9H-fluoren-9-ylidene)bis[phenol] and 4,4'-(1-methylethylidene)bis[2-(2-propenyl)phenol] (9CI) (CA INDEX NAME)

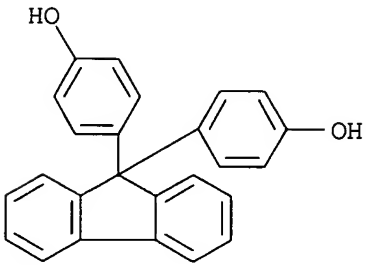
CM 1

CRN 88938-12-9
CMF C27 H22 O2



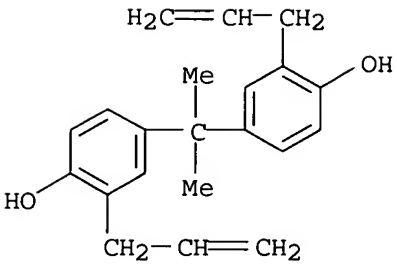
CM 2

CRN 3236-71-3
CMF C25 H18 O2



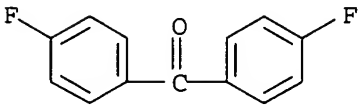
CM 3

CRN 1745-89-7
CMF C21 H24 O2



CM 4

CRN 345-92-6
CMF C13 H8 F2 O



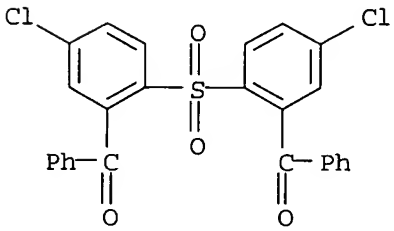
L47 ANSWER 12 OF 41 CAPLUS COPYRIGHT 2005 ACS on STN
TI **Polyarylene** ethers having keto group side-chains and their preparation

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI CN 1166507	A	19971203	CN 1997-107308	19970109
PRAI CN 1997-107308		19970109		

IT **253608-91-2P**
RL: IMF (Industrial manufacture); PREP (Preparation)
(preparation of polyarylene ethers having keto group side-chains)
RN 253608-91-2 CAPLUS
CN Methanone, [sulfonylbis(5-chloro-2,1-phenylene)]bis[phenyl-, polymer with bis(4-fluorophenyl)methanone and 4,4'-(1-methylethylidene)bis[phenol] (9CI) (CA INDEX NAME)

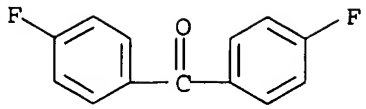
CM 1

CRN 253608-85-4
CMF C26 H16 Cl2 O4 S



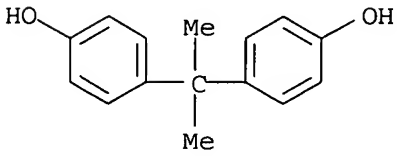
CM 2

CRN 345-92-6
CMF C13 H8 F2 O



CM 3

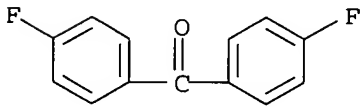
CRN 80-05-7
CMF C15 H16 O2



L47 ANSWER 13 OF 41 CAPLUS COPYRIGHT 2005 ACS on STN
TI New approaches to synthesis of amorphous and crystalline cardo **polyarylene** ether ketones
IT **25897-65-8P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(model compound; synthesis of amorphous and crystalline cardo aromatic polyether-polyketones)
RN 25897-65-8 CAPLUS
CN Methanone, bis(4-fluorophenyl)-, polymer with 4,4'-(1-methylethylidene)bis[phenol] (9CI) (CA INDEX NAME)

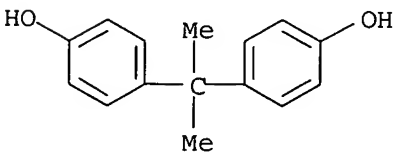
CM 1

CRN 345-92-6
CMF C13 H8 F2 O



CM 2

CRN 80-05-7
CMF C15 H16 O2



L47 ANSWER 14 OF 41 CAPLUS COPYRIGHT 2005 ACS on STN
TI **Polyarylene** ethers (**polyarylene** ether ketones and **polyarylene** ether sulfones) with side carboxylic group
IT **186465-55-4P**

	ES 2131600	T3	19990801	ES 1994-102860	19940225
	US 5457169	A	19951010	US 1994-203027	19940228
	JP 06322255	A2	19941122	JP 1994-32318	19940302
PRAI	DE 1993-4306708	A	19930304		

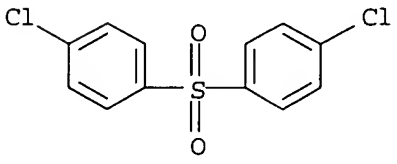
IT **25154-01-2DP**, Bisphenol A-bis(4-chlorophenyl) sulfone copolymer, anhydride group-terminated
RL: IMF (Industrial manufacture); PRP (Properties); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(preparation and use as heat-resistant moldings and adhesives)

RN 25154-01-2 CAPLUS

CN Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 1,1'-sulfonylbis[4-chlorobenzene] (9CI) (CA INDEX NAME)

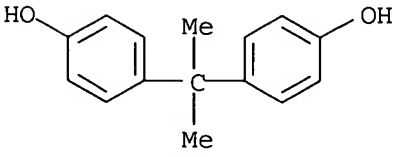
CM 1

CRN 80-07-9
CMF C12 H8 Cl2 O2 S



CM 2

CRN 80-05-7
CMF C15 H16 O2



L47 ANSWER 16 OF 41 CAPLUS COPYRIGHT 2005 ACS on STN

TI Polyether-ketone-**polyarylene** sulfide block copolymers

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 3900916	A1	19900719	DE 1989-3900916	19890113
	EP 381867	A2	19900816	EP 1989-124168	19891230
	EP 381867	A3	19910703		
	R: BE, DE, FR, GB, IT				
	JP 02228325	A2	19900911	JP 1990-3687	19900112
PRAI	DE 1989-3900916	A	19890113		

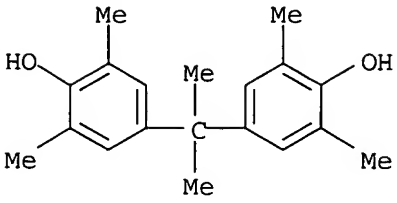
IT **131718-49-5P**
RL: IMF (Industrial manufacture); PREP (Preparation)
(manufacture of, having high glass transition temperature and strong phys. properties, for molding)

RN 131718-49-5 CAPLUS

CN Methanone, bis(4-fluorophenyl)-, polymer with 1,4-dichlorobenzene, 4,4'-(1-methylethylidene)bis[2,6-dimethylphenol] and sodium sulfide (Na2S), block (9CI) (CA INDEX NAME)

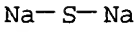
CM 1

CRN 5613-46-7
CMF C19 H24 O2



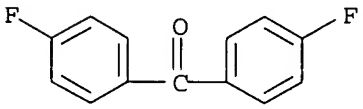
CM 2

CRN 1313-82-2
CMF Na2 S



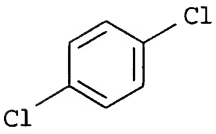
CM 3

CRN 345-92-6
CMF C13 H8 F2 O



CM 4

CRN 106-46-7
CMF C6 H4 Cl2



L47 ANSWER 17 OF 41 CAPLUS COPYRIGHT 2005 ACS on STN
TI Non-catalytic process for the preparation of difunctionalized **polyarylene** polyethers

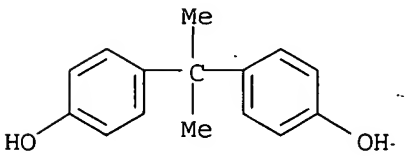
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI US 4663402	A	19870505	US 1985-814749	19851230
US 4562243	A	19851231	US 1984-586678	19840306
PRAI US 1984-586678	A2	19840306		

IT **37330-81-7DP**, vinylbenzyl-terminated
RL: PREP (Preparation)
(preparation of, solvents for)
RN 37330-81-7 CAPLUS

CN Phenol, 4,4'-(1-methylethylidene)bis-, dipotassium salt, polymer with 1,1'-sulfonylbis[4-chlorobenzene] (9CI) (CA INDEX NAME)

CM 1

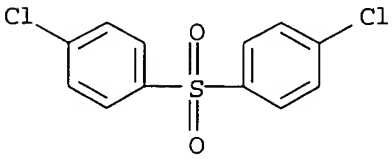
CRN 13730-42-2
CMF C15 H16 O2 . 2 K



●2 K

CM 2

CRN 80-07-9
CMF C12 H8 Cl2 O2 S



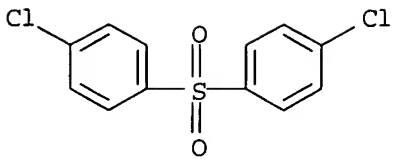
L47 ANSWER 18 OF 41 CAPLUS COPYRIGHT 2005 ACS on STN
TI Alternating block copolymers of **polyarylene** polyethers and process for their preparation

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 4638039	A	19870120	US 1984-655925	19840928
	US 4749756	A	19880607	US 1987-3740	19870116
PRAI	US 1984-655925	A3	19840928		

IT **25154-01-2DP**, reaction products with dichlorobutene
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation and condensation of, with bis(haloallyl) compound-containing polyethers)
RN 25154-01-2 CAPLUS
CN Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 1,1'-sulfonylbis[4-chlorobenzene] (9CI) (CA INDEX NAME)

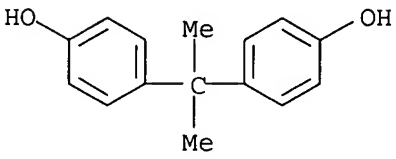
CM 1

CRN 80-07-9
CMF C12 H8 Cl2 O2 S



CM 2

CRN 80-05-7
CMF C15 H16 O2

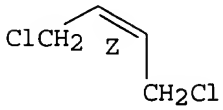


IT **88029-96-3P 107513-70-2P 107513-71-3P**
107513-72-4P 107513-73-5P
RL: PREP (Preparation)
(preparation of)
RN 88029-96-3 CAPLUS
CN Phenol, 4,4'-(1-methylethylidene)bis-, polymer with (Z)-1,4-dichloro-2-butene and 1,1'-sulfonylbis[4-chlorobenzene] (9CI) (CA INDEX NAME)

CM 1

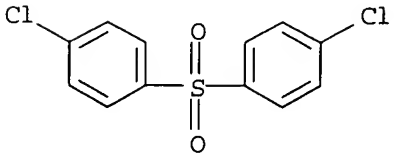
CRN 1476-11-5
CMF C4 H6 Cl2

Double bond geometry as shown.



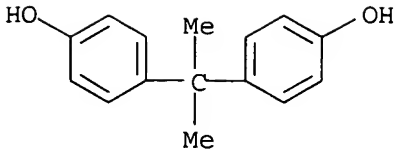
CM 2

CRN 80-07-9
CMF C12 H8 Cl2 O2 S



CM 3

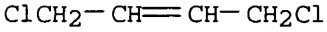
CRN 80-05-7
CMF C15 H16 O2



RN 107513-70-2 CAPLUS
CN Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 1,4-dichloro-2-butene and 1,1'-sulfonylbis[4-chlorobenzene], block (9CI) (CA INDEX NAME)

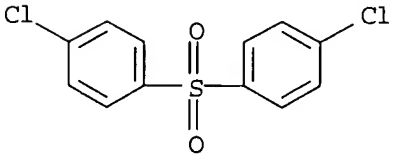
CM 1

CRN 764-41-0
CMF C4 H6 Cl2



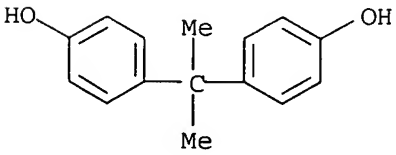
CM 2

CRN 80-07-9
CMF C12 H8 Cl2 O2 S



CM 3

CRN 80-05-7
CMF C15 H16 O2

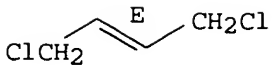


RN 107513-71-3 CAPLUS
CN Phenol, 4,4'-(1-methylethylidene)bis-, polymer with (E)-1,4-dichloro-2-butene and 1,1'-sulfonylbis[4-chlorobenzene], block (9CI) (CA INDEX NAME)

CM 1

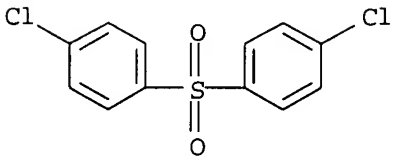
CRN 110-57-6
CMF C4 H6 Cl2

Double bond geometry as shown.



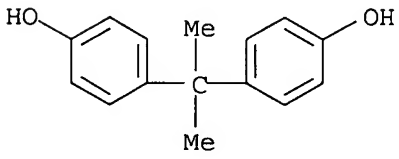
CM 2

CRN 80-07-9
CMF C12 H8 Cl2 O2 S



CM 3

CRN 80-05-7
CMF C15 H16 O2

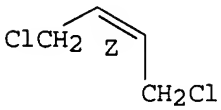


RN 107513-72-4 CAPLUS
CN Phenol, 4,4'-(1-methylethylidene)bis-, polymer with (Z)-1,4-dichloro-2-butene and 1,1'-sulfonylbis[4-chlorobenzene], block (9CI) (CA INDEX NAME)

CM 1

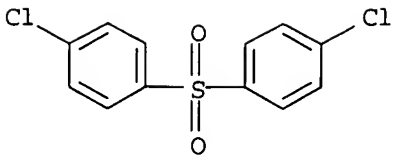
CRN 1476-11-5
CMF C4 H6 Cl2

Double bond geometry as shown.



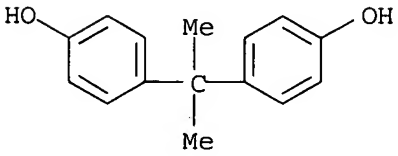
CM 2

CRN 80-07-9
CMF C12 H8 Cl2 O2 S



CM 3

CRN 80-05-7
CMF C15 H16 O2

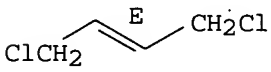


RN 107513-73-5 CAPLUS
CN Phenol, 4,4'-(1-methylethylidene)bis-, polymer with (E)-1,4-dichloro-2-butene and 1,1'-sulfonylbis[4-chlorobenzene] (9CI) (CA INDEX NAME)

CM 1

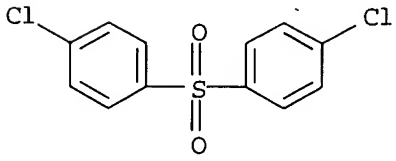
CRN 110-57-6
CMF C4 H6 Cl2

Double bond geometry as shown.



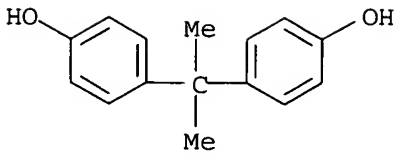
CM 2

CRN 80-07-9
CMF C12 H8 Cl2 O2 S



CM 3

CRN 80-05-7
CMF C15 H16 O2



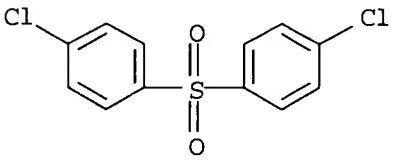
L47 ANSWER 19 OF 41 CAPLUS COPYRIGHT 2005 ACS on STN
TI **Polyarylene** polyethers with pendant vinyl groups and process for preparation thereof

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4634742	A	19870106	US 1984-669641	19841108
US 4806601	A	19890221	US 1986-948245	19861231
PRAI US 1984-669641	A3	19841108		

IT **25154-01-2DP**, derivs. containing pendant vinyl or ethynyl groups
RL: PREP (Preparation)
(preparation of crosslinkable)
RN 25154-01-2 CAPLUS
CN Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 1,1'-sulfonylbis[4-chlorobenzene] (9CI) (CA INDEX NAME)

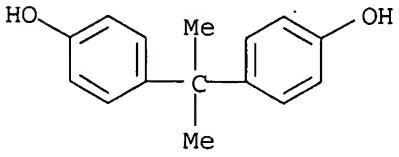
CM 1

CRN 80-07-9
CMF C12 H8 Cl2 O2 S



CM 2

CRN 80-05-7
CMF C15 H16 O2



L47 ANSWER 20 OF 41 CAPLUS COPYRIGHT 2005 ACS on STN
TI **Polyarylene** polyethers

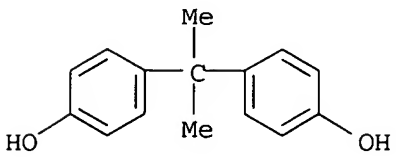
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 61076523	A2	19860419	JP 1984-196723	19840921
JP 04047690	B4	19920804		
PRAI JP 1984-196723		19840921		

IT **9058-64-4P 104584-93-2P 104603-03-4P**
RL: PREP (Preparation)
(preparation of, with good melt fluidity and heat resistance)
RN 9058-64-4 CAPLUS

CN Phenol, 4,4'-(1-methylethylidene)bis-, disodium salt, polymer with 1,1'-sulfonylbis[4-chlorobenzene] (9CI) (CA INDEX NAME)

CM 1

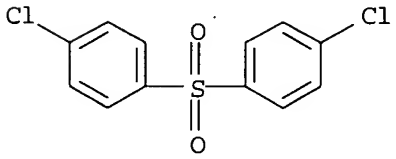
CRN 2444-90-8
CMF C15 H16 O2 . 2 Na



●2 Na

CM 2

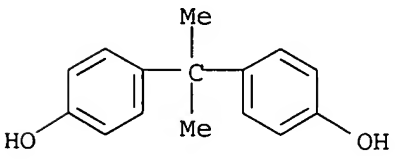
CRN 80-07-9
CMF C12 H8 Cl2 O2 S



RN 104584-93-2 CAPLUS
CN Phenol, 4,4'-(1-methylethylidene)bis-, disodium salt, polymer with sodium sulfide (Na2S) and 1,1'-sulfonylbis[4-chlorobenzene] (9CI) (CA INDEX NAME)

CM 1

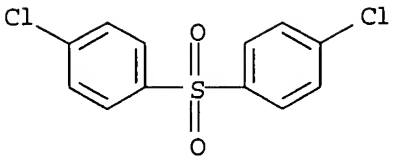
CRN 2444-90-8
CMF C15 H16 O2 . 2 Na



●2 Na

CM 2

CRN 1313-82-2
CMF Na2 S



L47 ANSWER 21 OF 41 CAPLUS COPYRIGHT 2005 ACS on STN
TI **Polyarylene** polyethersulfone ionomers

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4598137	A	19860701	US 1984-676866	19841130
CA 1237231	A1	19880524	CA 1985-496614	19851129

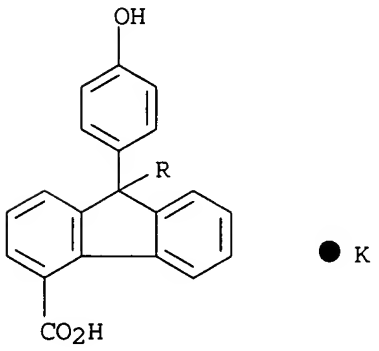
PRAI US 1984-676866 A 19841130

IT **104426-09-7P 104426-11-1P**
RL: PREP (Preparation)
(preparation of)

RN 104426-09-7 CAPLUS
CN 9H-Fluorene-4-carboxylic acid, 9,9-bis(4-hydroxyphenyl)-, monopotassium salt, polymer with 4,4'-(1-methylethylidene)bis[phenol] and 1,1'-sulfonylbis[4-fluorobenzene] (9CI) (CA INDEX NAME)

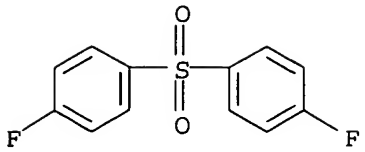
CM 1

CRN 104426-07-5
CMF C26 H18 O4 . K



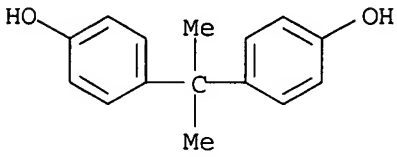
CM 2

CRN 383-29-9
CMF C12 H8 F2 O2 S



CM 3

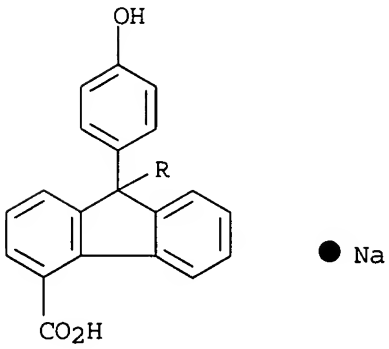
CRN 80-05-7
CMF C15 H16 O2

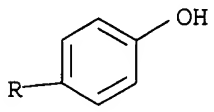


RN 104426-11-1 CAPLUS
CN 9H-Fluorene-4-carboxylic acid, 9,9-bis(4-hydroxyphenyl)-, monosodium salt, polymer with 4,4'-(1-methylethylidene)bis[phenol] and 1,1'-sulfonylbis[4-chlorobenzene] (9CI) (CA INDEX NAME)

CM 1

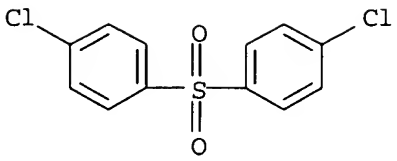
CRN 104426-10-0
CMF C26 H18 O4 . Na





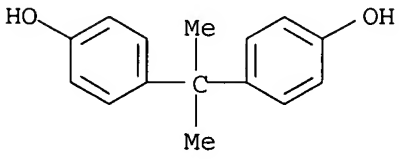
CM 2

CRN 80-07-9
CMF C12 H8 Cl2 O2 S



CM 3

CRN 80-05-7
CMF C15 H16 O2



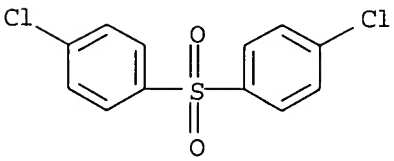
L47 ANSWER 22 OF 41 CAPLUS COPYRIGHT 2005 ACS on STN
TI Crosslinkable difunctional **polyarylene** polyethers

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4562243	A	19851231	US 1984-586678	19840306
US 4663402	A	19870505	US 1985-814749	19851230
US 4665137	A	19870512	US 1985-814748	19851230
US 4701514	A	19871020	US 1985-814747	19851230
PRAI US 1984-586678	A2	19840306		

IT **25154-01-2DP**, reaction products with (chloromethyl)styrene
102576-97-6P
RL: PREP (Preparation)
(manufacture of heat-curable)
RN 25154-01-2 CAPLUS
CN Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 1,1'-sulfonylbis[4-chlorobenzene] (9CI) (CA INDEX NAME)

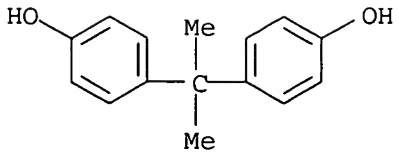
CM 1

CRN 80-07-9
CMF C12 H8 Cl2 O2 S



CM 2

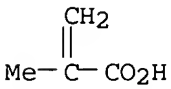
CRN 80-05-7
CMF C15 H16 O2



RN 102576-97-6 CAPLUS
CN Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 1,1'-sulfonylbis[4-chlorobenzene], bis(2-methyl-2-propenoate) (9CI) (CA INDEX NAME)

CM 1

CRN 79-41-4
CMF C4 H6 O2

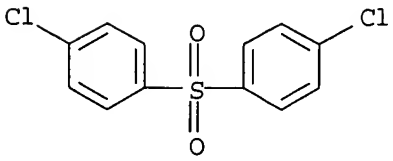


CM 2

CRN 25154-01-2
CMF (C15 H16 O2 . C12 H8 Cl2 O2 S)x
CCI PMS

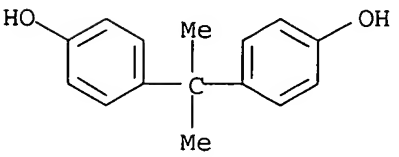
CM 3

CRN 80-07-9
CMF C12 H8 Cl2 O2 S



CM 4

CRN 80-05-7
CMF C15 H16 O2



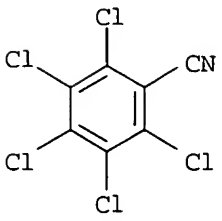
L47 ANSWER 23 OF 41 CAPLUS COPYRIGHT 2005 ACS on STN
TI Branched, high-molecular-weight, thermoplastic, nitrile group-containing **polyarylene** ethers

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE

PI DE 3345416 A1 19850627 DE 1983-3345416 19831215
EP 147708 A2 19850710 EP 1984-115039 19841210
EP 147708 A3 19850807
EP 147708 B1 19890419
R: BE, CH, DE, FR, GB, IT, LI, NL
US 4567248 A 19860128 US 1984-681243 19841213
PRAI DE 1983-3345416 A 19831215
IT **98756-91-3P 98756-92-4P 98756-93-5P**
RL: PREP (Preparation)
(branched, manufacture of, with high mol. weight)
RN 98756-91-3 CAPLUS
CN Benzonitrile, pentachloro-, polymer with 4,4'-(1-methylethylidene)bis[phenol] and 1,1'-sulfonylbis[4-chlorobenzene] (9CI) (CA INDEX NAME)

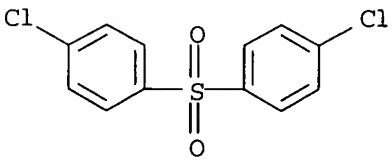
CM 1

CRN 20925-85-3
CMF C7 Cl5 N



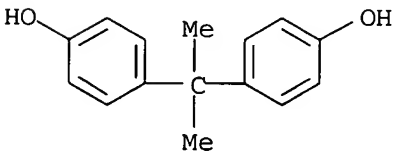
CM 2

CRN 80-07-9
CMF C12 H8 Cl2 O2 S



CM 3

CRN 80-05-7
CMF C15 H16 O2

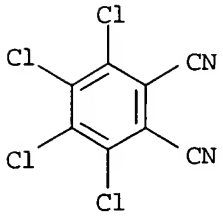


RN 98756-92-4 CAPLUS
CN 1,2-Benzenedicarbonitrile, 3,4,5,6-tetrachloro-, polymer with 4,4'-(1-methylethylidene)bis[phenol] and 1,1'-sulfonylbis[4-chlorobenzene]

(9CI) (CA INDEX NAME)

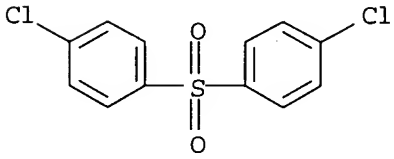
CM 1

CRN 1953-99-7
CMF C8 Cl4 N2



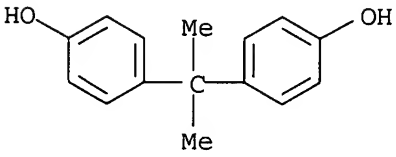
CM 2

CRN 80-07-9
CMF C12 H8 Cl2 O2 S



CM 3

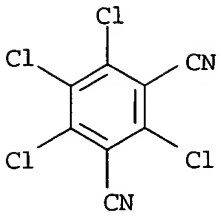
CRN 80-05-7
CMF C15 H16 O2



RN 98756-93-5 CAPLUS
CN 1,3-Benzenedicarbonitrile, 2,4,5,6-tetrachloro-, polymer with 4,4'-(1-methylethylidene)bis[phenol] and 1,1'-sulfonylbis[4-chlorobenzene] (9CI) (CA INDEX NAME)

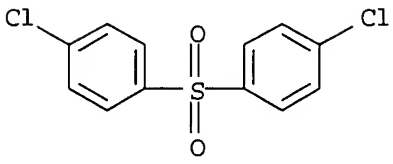
CM 1

CRN 1897-45-6
CMF C8 Cl4 N2



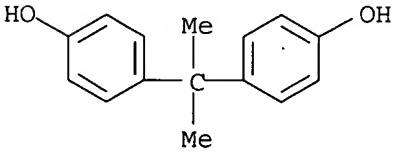
CM 2

CRN 80-07-9
CMF C12 H8 Cl2 O2 S



CM 3

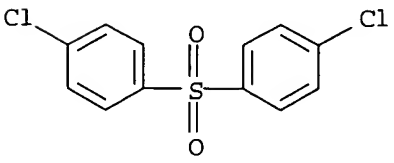
CRN 80-05-7
CMF C15 H16 O2



L47 ANSWER 24 OF 41 CAPLUS COPYRIGHT 2005 ACS on STN
TI Synthesis, kinetic observations and characteristics of **polyarylene** ether sulfones prepared via a potassium carbonate DMAC process
IT **25154-01-2**
RL: USES (Uses)
(preparation kinetics and properties of)
RN 25154-01-2 CAPLUS
CN Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 1,1'-sulfonylbis[4-chlorobenzene] (9CI) (CA INDEX NAME)

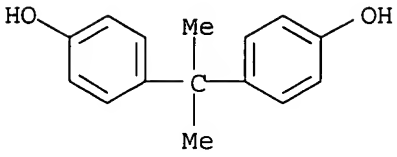
CM 1

CRN 80-07-9
CMF C12 H8 Cl2 O2 S



CM 2

CRN 80-05-7
CMF C15 H16 O2



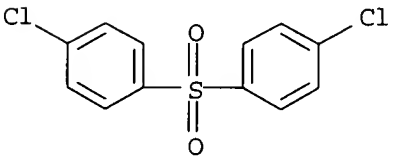
L47 ANSWER 25 OF 41 CAPLUS COPYRIGHT 2005 ACS on STN
TI Isolation of **polyarylene** polyether

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 59109522	A2	19840625	JP 1982-220537	19821216
PRAI JP 1982-220537		19821216		

IT **25154-01-2P**
RL: PREP (Preparation)
(recovery of, by precipitation from polar organic solvents with polyhydric alcs.)
RN 25154-01-2 CAPLUS
CN Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 1,1'-sulfonylbis[4-chlorobenzene] (9CI) (CA INDEX NAME)

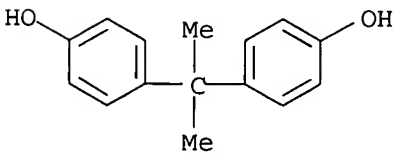
CM 1

CRN 80-07-9
CMF C12 H8 Cl2 O2 S



CM 2

CRN 80-05-7
CMF C15 H16 O2



L47 ANSWER 26 OF 41 CAPLUS COPYRIGHT 2005 ACS on STN
TI **Polyarylene** polyethers

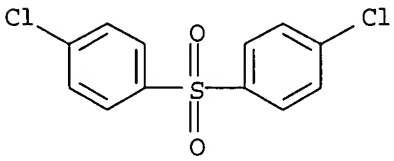
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4307222	A	19811222	US 1980-162952	19800625

	CA 1180499	A1	19850101	CA 1981-380080	19810618
	EP 43101	A1	19820106	EP 1981-104898	19810624
	EP 43101	B1	19850807		
	R: AT, BE, CH, DE, FR, GB, IT, NL, SE				
	JP 57031929	A2	19820220	JP 1981-96799	19810624
	JP 61012930	B4	19860410		
	AT 14743	E	19850815	AT 1981-104898	19810624
PRAI	US 1980-162952	A	19800625		
	EP 1981-104898	A	19810624		

IT **25154-01-2P**
RL: PREP (Preparation)
(preparation of low-color)
RN 25154-01-2 CAPLUS
CN Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 1,1'-sulfonylbis[4-chlorobenzene] (9CI) (CA INDEX NAME)

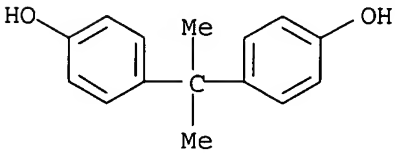
CM 1

CRN 80-07-9
CMF C12 H8 Cl2 O2 S



CM 2

CRN 80-05-7
CMF C15 H16 O2



L47 ANSWER 27 OF 41 CAPLUS COPYRIGHT 2005 ACS on STN
TI **Polyarylene** polyethers

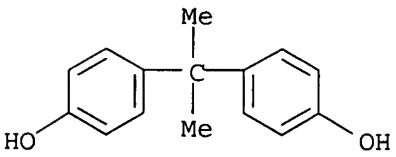
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 4108837	A	19780822	US 1972-230091	19720228
	CA 988245	A1	19760427	CA 1964-901208	19640424
	US 4175175	A	19791120	US 1978-903569	19780508
PRAI	US 1963-295519	A2	19630716		
	US 1965-446715	A2	19650408		
	US 1967-643840	A2	19670606		
	US 1967-688302	A2	19671206		
	US 1972-230091	A3	19720228		

IT **9058-64-4 25154-01-2 25897-65-8**
31346-17-5 31474-09-6 41209-98-7
69254-19-9 69254-20-2
RL: USES (Uses)
(moldable heat-resistant)
RN 9058-64-4 CAPLUS

CN Phenol, 4,4'-(1-methylethylidene)bis-, disodium salt, polymer with 1,1'-sulfonylbis[4-chlorobenzene] (9CI) (CA INDEX NAME)

CM 1

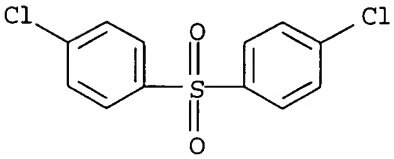
CRN 2444-90-8
CMF C15 H16 O2 . 2 Na



●2 Na

CM 2

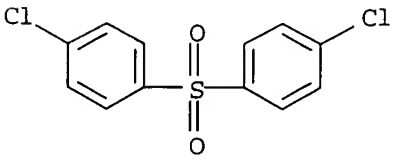
CRN 80-07-9
CMF C12 H8 Cl2 O2 S



RN 25154-01-2 CAPLUS
CN Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 1,1'-sulfonylbis[4-chlorobenzene] (9CI) (CA INDEX NAME)

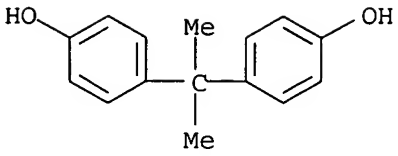
CM 1

CRN 80-07-9
CMF C12 H8 Cl2 O2 S



CM 2

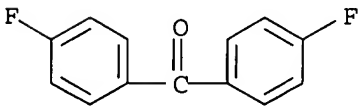
CRN 80-05-7
CMF C15 H16 O2



RN 25897-65-8 CAPLUS
CN Methanone, bis(4-fluorophenyl)-, polymer with 4,4'-(1-methylethylidene)bis[phenol] (9CI) (CA INDEX NAME)

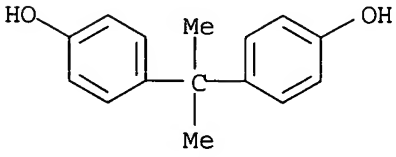
CM 1

CRN 345-92-6
CMF C13 H8 F2 O



CM 2

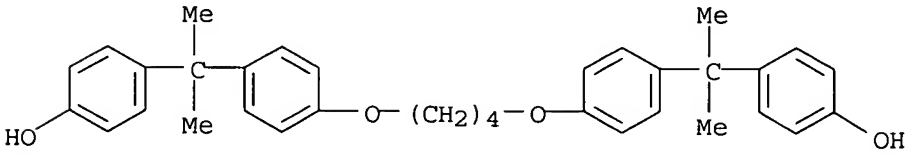
CRN 80-05-7
CMF C15 H16 O2



RN 31346-17-5 CAPLUS
CN Phenol, 4,4'-[1,4-butanediylbis[oxy-4,1-phenylene(1-methylethylidene)]]bis-, polymer with 4,4'-(1-methylethylidene)bis[phenol] and 1,1'-sulfonylbis[4-chlorobenzene] (9CI) (CA INDEX NAME)

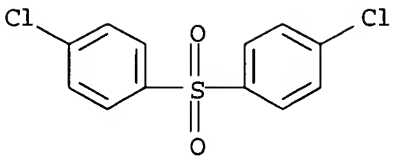
CM 1

CRN 13170-81-5
CMF C34 H38 O4



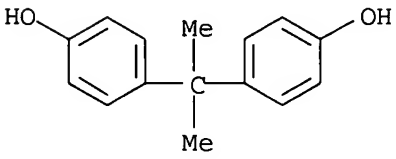
CM 2

CRN 80-07-9
CMF C12 H8 Cl2 O2 S



CM 3

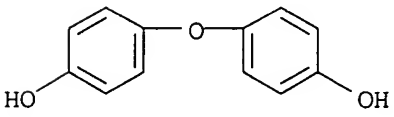
CRN 80-05-7
CMF C15 H16 O2



RN 31474-09-6 CAPLUS
CN Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 4,4'-oxybis[phenol] and 1,1'-sulfonylbis[4-chlorobenzene] (9CI) (CA INDEX NAME)

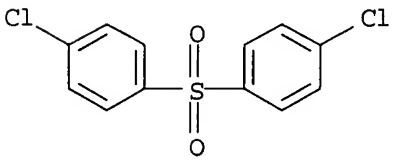
CM 1

CRN 1965-09-9
CMF C12 H10 O3



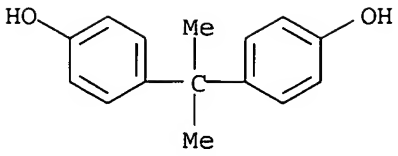
CM 2

CRN 80-07-9
CMF C12 H8 Cl2 O2 S



CM 3

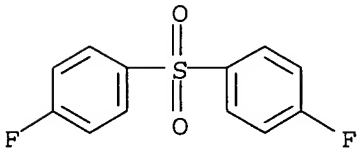
CRN 80-05-7
CMF C15 H16 O2



RN 41209-98-7 CAPLUS
CN Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 1,1'-sulfonylbis[4-fluorobenzene] (9CI) (CA INDEX NAME)

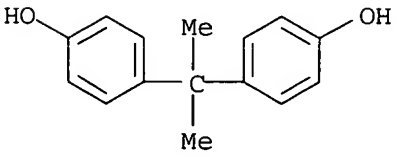
CM 1

CRN 383-29-9
CMF C12 H8 F2 O2 S



CM 2

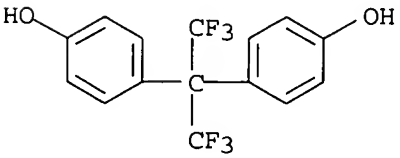
CRN 80-05-7
CMF C15 H16 O2



RN 69254-19-9 CAPLUS
CN Phenol, 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis-, polymer with 1,1'-sulfonylbis[4-fluorobenzene] (9CI) (CA INDEX NAME)

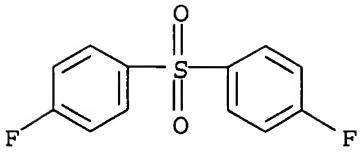
CM 1

CRN 1478-61-1
CMF C15 H10 F6 O2



CM 2

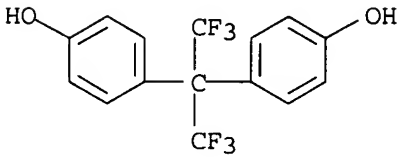
CRN 383-29-9
CMF C12 H8 F2 O2 S



RN 69254-20-2 CAPLUS
CN Methanone, bis(4-fluorophenyl)-, polymer with 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis[phenol] (9CI) (CA INDEX NAME)

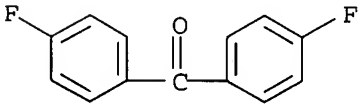
CM 1

CRN 1478-61-1
CMF C15 H10 F6 O2



CM 2

CRN 345-92-6
CMF C13 H8 F2 O



L47 ANSWER 28 OF 41 CAPLUS COPYRIGHT 2005 ACS on STN
TI **Polyarylene** polyethers

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 53073298	A2	19780629	JP 1976-149151	19761210

PRAI JP 1976-149151 A 19761210
IT **25154-01-2P 25897-65-8P 68183-12-0P**
RL: IMF (Industrial manufacture); PREP (Preparation)
(manufacture of, catalysts for, diazabicycloundecene as)
RN 25154-01-2 CAPLUS
CN Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 1,1'-sulfonylbis[4-chlorobenzene] (9CI) (CA INDEX NAME)

CM 1

CRN 80-07-9
CMF C12 H8 Cl2 O2 S

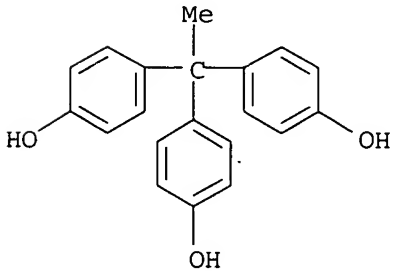
No "A" grp

L5 ANSWER 1 OF 4 REGISTRY COPYRIGHT 2005 ACS on STN
RN 180088-37-3 REGISTRY
ED Entered STN: 27 Aug 1996
CN Carbonic dichloride, polymer with 4,4'-cyclohexylidenebis[phenol], 4,4',4''-ethylidynetris[phenol] and 2,2,3,3,4,4,5,5-octafluoro-1,6-hexanediol (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1,6-Hexanediol, 2,2,3,3,4,4,5,5-octafluoro-, polymer with carbonic dichloride, 4,4'-cyclohexylidenebis[phenol] and 4,4',4''-ethylidynetris[phenol] (9CI)
CN Phenol, 4,4',4''-ethylidynetris-, polymer with carbonic dichloride, 4,4'-cyclohexylidenebis[phenol] and 2,2,3,3,4,4,5,5-octafluoro-1,6-hexanediol (9CI)
CN Phenol, 4,4'-cyclohexylidenebis-, polymer with carbonic dichloride, 4,4',4''-ethylidynetris[phenol] and 2,2,3,3,4,4,5,5-octafluoro-1,6-hexanediol (9CI)
MF (C20 H18 O3 . C18 H20 O2 . C6 H6 F8 O2 . C Cl2 O)x
CI PMS
PCT Polycarbonate, Polycarbonate formed
SR CA
LC STN Files: CA, CAPLUS

CM 1

CRN 27955-94-8
CMF C20 H18 O3

No A

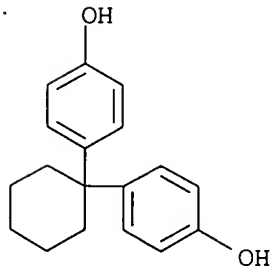


$Ar(OH)_3$

(Ar) 27955-94-8 c-me
608-44-1 c-H

CM 2

CRN 843-55-0
CMF C18 H20 O2



(B) & 843-55-0 cyc.hx
1478-61-1
B= C(CF3)2
80-05-7 ✓ A
(A) 90-98-2 Cl-C=O ✓
345-92-6 F C=O
80-07-9 Cl SO2

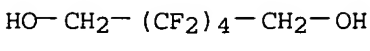
B

CM 3

B=

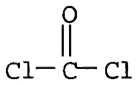
642,694

CRN 355-74-8
CMF C6 H6 F8 O2



CM 4

CRN 75-44-5
CMF C Cl2 O

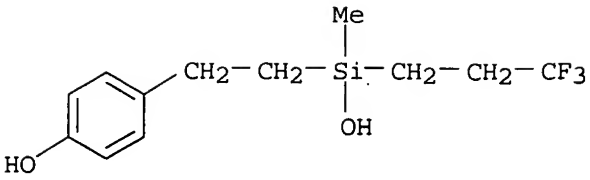


1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L5 ANSWER 2 OF 4 REGISTRY COPYRIGHT 2005 ACS on STN
RN 178106-19-9 REGISTRY
ED Entered STN: 04 Jul 1996
CN Carbonic dichloride, polymer with 4,4'-cyclohexylidenebis[phenol], 4,4',4''-ethylidynetris[phenol], [2-(4-hydroxyphenyl)ethyl]dimethylsilanol and [2-(4-hydroxyphenyl)ethyl]methyl(3,3,3-trifluoropropyl)silanol (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Phenol, 4,4',4''-ethylidynetris-, polymer with carbonic dichloride, 4,4'-cyclohexylidenebis[phenol], [2-(4-hydroxyphenyl)ethyl]dimethylsilanol and [2-(4-hydroxyphenyl)ethyl]methyl(3,3,3-trifluoropropyl)silanol (9CI)
CN Phenol, 4,4'-cyclohexylidenebis-, polymer with carbonic dichloride, 4,4',4''-ethylidynetris[phenol], [2-(4-hydroxyphenyl)ethyl]dimethylsilanol and [2-(4-hydroxyphenyl)ethyl]methyl(3,3,3-trifluoropropyl)silanol (9CI)
CN Silanol, [2-(4-hydroxyphenyl)ethyl]dimethyl-, polymer with carbonic dichloride, 4,4'-cyclohexylidenebis[phenol], 4,4',4''-ethylidynetris[phenol] and [2-(4-hydroxyphenyl)ethyl]methyl(3,3,3-trifluoropropyl)silanol (9CI)
CN Silanol, [2-(4-hydroxyphenyl)ethyl]methyl(3,3,3-trifluoropropyl)-, polymer with carbonic dichloride, 4,4'-cyclohexylidenebis[phenol], 4,4',4''-ethylidynetris[phenol] and [2-(4-hydroxyphenyl)ethyl]dimethylsilanol (9CI)
MF (C20 H18 O3 . C18 H20 O2 . C12 H17 F3 O2 Si . C10 H16 O2 Si . C Cl2 O)x
CI PMS
PCT Polycarbonate, Polycarbonate formed, Polyether, Polyether formed
SR CA
LC STN Files: CA, CAPLUS

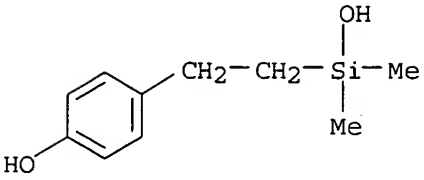
CM 1

CRN 173956-69-9
CMF C12 H17 F3 O2 Si



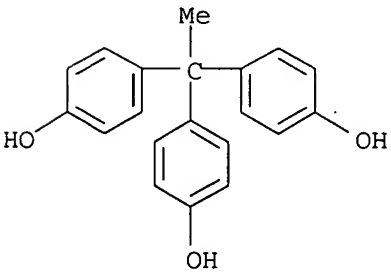
CM 2

CRN 158036-17-0
CMF C10 H16 O2 Si



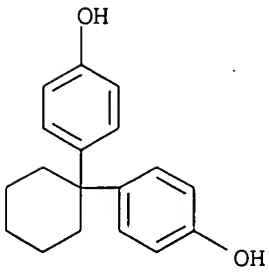
CM 3

CRN 27955-94-8
CMF C20 H18 O3



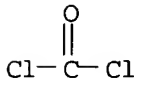
CM 4

CRN 843-55-0
CMF C18 H20 O2



CM 5

CRN 75-44-5
CMF C Cl2 O

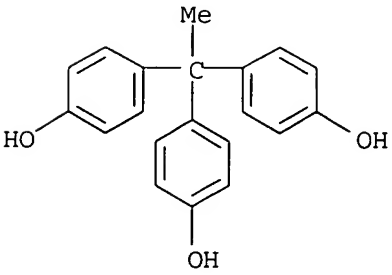


1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L5 ANSWER 3 OF 4 REGISTRY COPYRIGHT 2005 ACS on STN
RN 167863-16-3 REGISTRY
ED Entered STN: 19 Sep 1995
CN Carbonic acid, polymer with 4,4'-cyclohexylidenebis[phenol] and 4,4',4''-ethylidynetris[phenol] (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Phenol, 4,4',4''-ethylidynetris-, polymer with carbonic acid and 4,4'-cyclohexylidenebis[phenol] (9CI)
CN Phenol, 4,4'-cyclohexylidenebis-, polymer with carbonic acid and 4,4',4''-ethylidynetris[phenol] (9CI)
MF (C20 H18 O3 . C18 H20 O2 . C H2 O3)x
CI PMS
PCT Polycarbonate, Polycarbonate formed
SR CA
LC STN Files: CA, CAPLUS

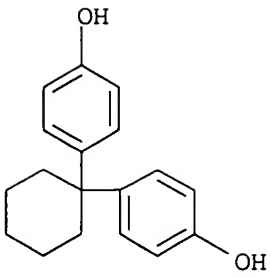
CM 1

CRN 27955-94-8
CMF C20 H18 O3



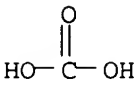
CM 2

CRN 843-55-0
CMF C18 H20 O2



CM 3

CRN 463-79-6
CMF C H2 O3

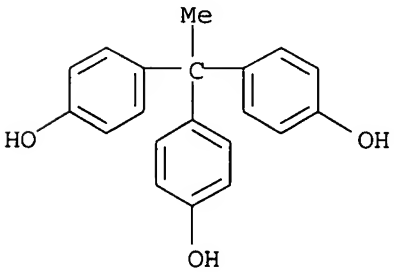


1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L5 ANSWER 4 OF 4 REGISTRY COPYRIGHT 2005 ACS on STN
RN 152692-83-6 REGISTRY
ED Entered STN: 02 Feb 1994
CN Carbonic dichloride, polymer with 4,4'-cyclohexylidenebis[phenol] and 4,4',4''-ethylidynetris[phenol] (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Phenol, 4,4',4''-ethylidynetris-, polymer with carbonic dichloride and 4,4'-cyclohexylidenebis[phenol] (9CI)
CN Phenol, 4,4'-cyclohexylidenebis-, polymer with carbonic dichloride and 4,4',4''-ethylidynetris[phenol] (9CI)
MF (C20 H18 O3 . C18 H20 O2 . C Cl2 O)x
CI PMS
PCT Polycarbonate, Polycarbonate formed
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

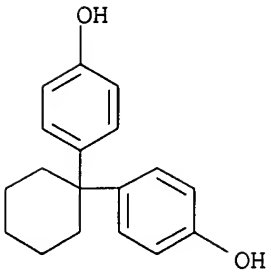
CM 1

CRN 27955-94-8
CMF C20 H18 O3



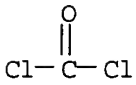
CM 2

CRN 843-55-0
CMF C18 H20 O2



CM 3

CRN 75-44-5
CMF C Cl2 O



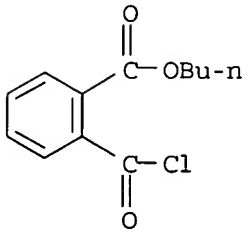
2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

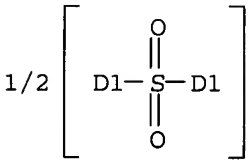
=>

L24 ANSWER 1 OF 2 REGISTRY COPYRIGHT 2005 ACS on STN
RN 837363-46-9 REGISTRY
ED Entered STN: 25 Feb 2005
CN Benzoic acid, sulfonylbis[2-(chlorocarbonyl)-, dibutyl ester, polymer with 4,4',4''-methylidynetris[phenol] and 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis[2-aminophenol] (9CI) (CA INDEX NAME)
MF (C24 H24 Cl2 O8 S . C19 H16 O3 . C15 H12 F6 N2 O2)x
CI PMS, COM
PCT Polyamide, Polyamide formed, Polybenzoxazole, Polybenzoxazole formed, Polyester, Polyester formed
SR CA

CM 1

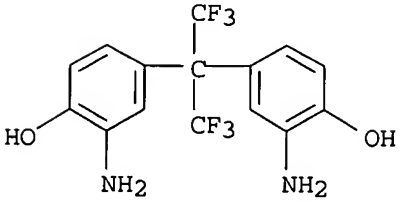
CRN 201356-56-1
CMF C24 H24 Cl2 O8 S
CCI IDS





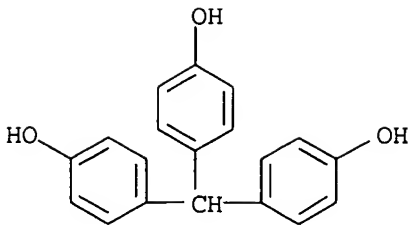
CM 2

CRN 83558-87-6
CMF C15 H12 F6 N2 O2



CM 3

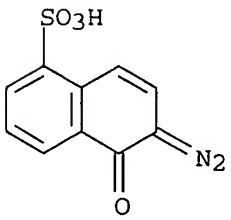
CRN 603-44-1
CMF C19 H16 O3



L24 ANSWER 2 OF 2 REGISTRY COPYRIGHT 2005 ACS on STN
RN 312308-57-9 REGISTRY
ED Entered STN: 29 Dec 2000
CN Benzoic acid, sulfonylbis[2-(chlorocarbonyl)-, dibutyl ester, polymer with 4,4',4''-methylidynetris[phenol] and 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis[2-aminophenol], 6-diazo-5,6-dihydro-5-oxo-1-naphthalenesulfonate (ester) (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1-Naphthalenesulfonyl chloride, 6-diazo-5,6-dihydro-5-oxo-, polymer with dibutyl sulfonylbis[2-(chlorocarbonyl)benzoate], 4,4',4''-methylidynetris[phenol] and 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis[2-aminophenol] (9CI)
CN Phenol, 4,4',4''-methylidynetris-, polymer with 6-diazo-5,6-dihydro-5-oxo-1-naphthalenesulfonyl chloride, dibutyl sulfonylbis[2-(chlorocarbonyl)benzoate] and 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis[2-aminophenol] (9CI)
CN Phenol, 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis[2-amino-, polymer with 6-diazo-5,6-dihydro-5-oxo-1-naphthalenesulfonyl chloride, dibutyl sulfonylbis[2-(chlorocarbonyl)benzoate] and 4,4',4''-methylidynetris[phenol] (9CI)
MF (C24 H24 Cl2 O8 S . C19 H16 O3 . C15 H12 F6 N2 O2)x . x C10 H6 N2 O4 S
PCT Polyamide, Polyamide formed, Polybenzoxazole, Polybenzoxazole formed, Polyester, Polyester formed
SR CA
LC STN Files: CA, CAPLUS

CM 1

CRN 20546-03-6
CMF C10 H6 N2 O4 S



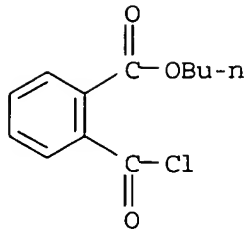
CM 2

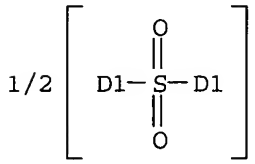
CRN 837363-46-9
CMF (C24 H24 Cl2 O8 S . C19 H16 O3 . C15 H12 F6 N2 O2)x
CCI PMS

CM 3

CRN 201356-56-1

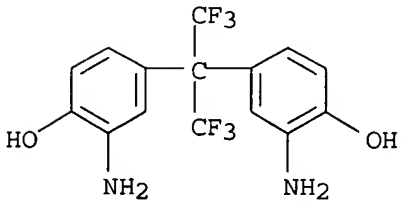
CMF C24 H24 Cl2 O8 S
CCI IDS





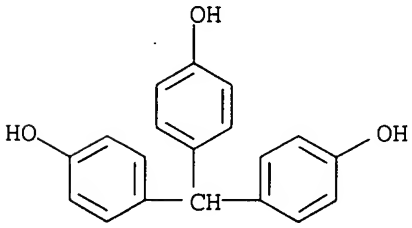
CM 4

CRN 83558-87-6
CMF C15 H12 F6 N2 O2



CM 5

CRN 603-44-1
CMF C19 H16 O3



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=>

10/040,850

L47 ANSWER 5 OF 41 CAPLUS COPYRIGHT 2005 ACS on STN

TI Novel aromatic sulfonic acid ester derivative, **polyarylene**, **polyarylene** having sulfonic acid group and process for producing the same, and polymer solid electrolyte and proton-conductive membrane

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2004044166	A1	20040304	US 2003-642694	20030819
	JP 2004137444	A2	20040513	JP 2002-364229	20021216
	EP 1400548	A1	20040324	EP 2003-18995	20030821
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
	CA 2438009	AA	20040222	CA 2003-2438009	20030822
PRAI	JP 2002-242508	A	20020822		
	JP 2002-364229	A	20021216		

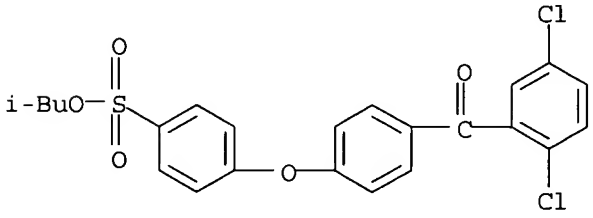
IT **663920-27-2P 663920-28-3P 663920-32-9P 663920-37-4P**
RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(ionic conducting polymer precursor; preparation of polyarylene-containing aromatic sulfonic acid for polymer solid electrolyte and proton-conductive membrane)

RN 663920-27-2 CAPLUS

CN Benzenesulfonic acid, 4-[4-(2,5-dichlorobenzoyl)phenoxy]-, 2-methylpropyl ester, polymer with bis(4-chlorophenyl)methanone and 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis[phenol] (9CI) (CA INDEX NAME)

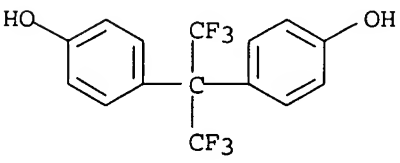
CM 1

CRN 663920-25-0
CMF C23 H20 Cl2 O5 S



CM 2

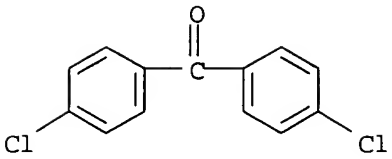
CRN 1478-61-1
CMF C15 H10 F6 O2



CM 3

CRN 90-98-2

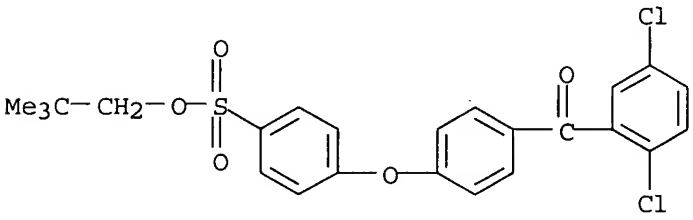
CMF C13 H8 Cl2 O



RN 663920-28-3 CAPLUS
CN Benzenesulfonic acid, 4-[4-(2,5-dichlorobenzoyl)phenoxy]-, 2,2-dimethylpropyl ester, polymer with bis(4-chlorophenyl)methanone and 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis[phenol] (9CI) (CA INDEX NAME)

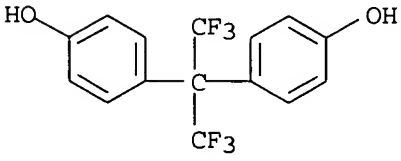
CM 1

CRN 663920-26-1
CMF C24 H22 Cl2 O5 S



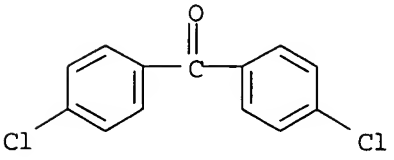
CM 2

CRN 1478-61-1
CMF C15 H10 F6 O2



CM 3

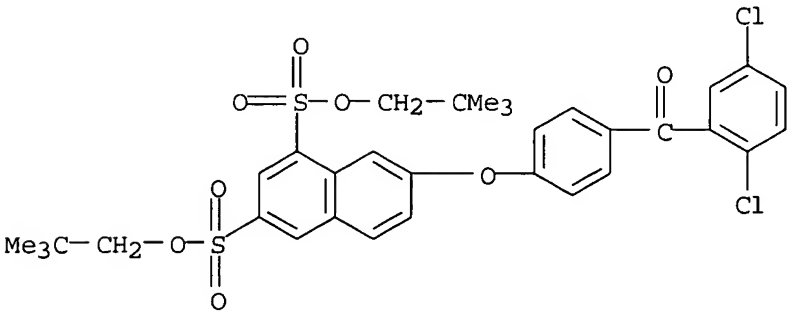
CRN 90-98-2
CMF C13 H8 Cl2 O



RN 663920-32-9 CAPLUS
CN 1,3-Naphthalenedisulfonic acid, 7-[4-(2,5-dichlorobenzoyl)phenoxy]-, bis(2,2-dimethylpropyl) ester, polymer with bis(4-chlorophenyl)methanone and 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis[phenol] (9CI) (CA INDEX NAME)

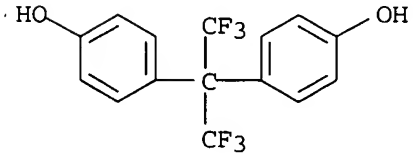
CM 1

CRN 663920-31-8
CMF C33 H34 Cl2 O8 S2



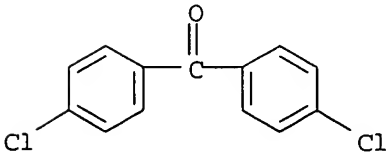
CM 2

CRN 1478-61-1
CMF C15 H10 F6 O2



CM 3

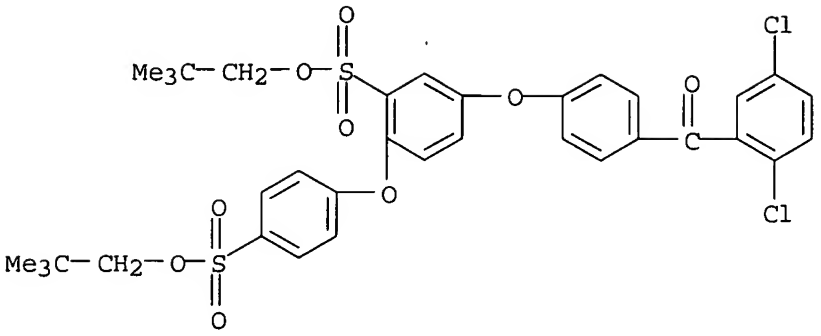
CRN 90-98-2
CMF C13 H8 Cl2 O



RN 663920-37-4 CAPLUS
CN Benzenesulfonic acid, 5-[4-(2,5-dichlorobenzoyl)phenoxy]-2-[4-[(2,2-dimethylpropoxy)sulfonyl]phenoxy]-, 2,2-dimethylpropyl ester, polymer with bis(4-chlorophenyl)methanone and 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis[phenol] (9CI) (CA INDEX NAME)

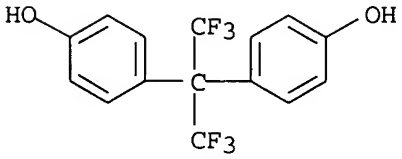
CM 1

CRN 663920-36-3
CMF C35 H36 Cl2 O9 S2



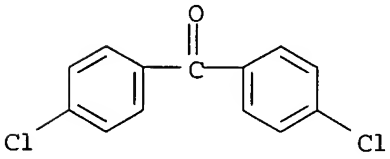
CM 2

CRN 1478-61-1
CMF C15 H10 F6 O2



CM 3

CRN 90-98-2
CMF C13 H8 Cl2 O

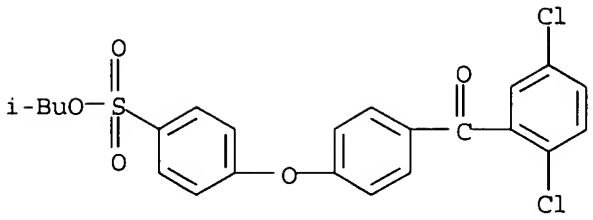


IT **663920-27-2DP**, hydrolyzed **663920-28-3DP**, hydrolyzed
663920-32-9DP, hydrolyzed **663920-37-4DP**, hydrolyzed
RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(ionic conducting polymer; preparation of polyarylene-containing aromatic sulfonic
acid for polymer solid electrolyte and proton-conductive membrane)
RN 663920-27-2 CAPLUS
CN Benzenesulfonic acid, 4-[4-(2,5-dichlorobenzoyl)phenoxy]-, 2-methylpropyl ester, polymer with bis(4-chlorophenyl)methanone and 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis[phenol] (9CI). (CA INDEX NAME)

CM 1

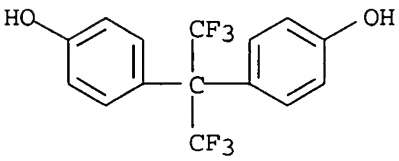
CRN 663920-25-0

CMF C23 H20 Cl2 O5 S



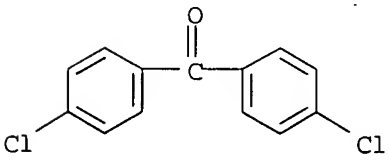
CM 2

CRN 1478-61-1
CMF C15 H10 F6 O2



CM 3

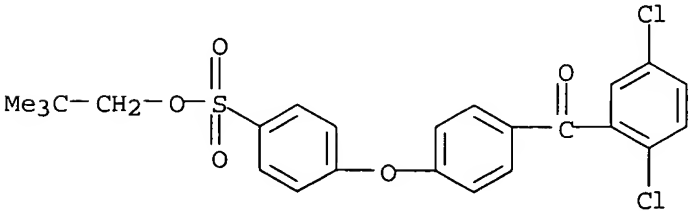
CRN 90-98-2
CMF C13 H8 Cl2 O



RN 663920-28-3 CAPLUS
CN Benzenesulfonic acid, 4-[4-(2,5-dichlorobenzoyl)phenoxy]-, 2,2-dimethylpropyl ester, polymer with bis(4-chlorophenyl)methanone and 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis[phenol] (9CI) (CA INDEX NAME)

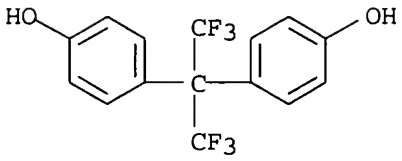
CM 1

CRN 663920-26-1
CMF C24 H22 Cl2 O5 S



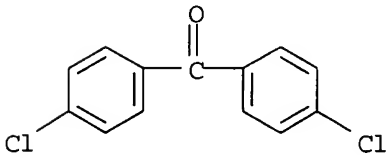
CM 2

CRN 1478-61-1
CMF C15 H10 F6 O2



CM 3

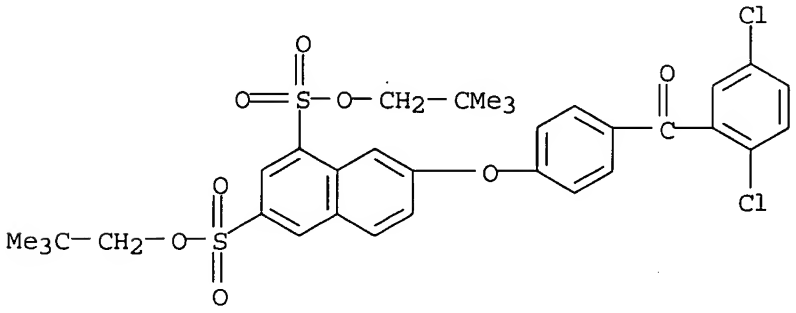
CRN 90-98-2
CMF C13 H8 Cl2 O



RN 663920-32-9 CAPLUS
CN 1,3-Naphthalenedisulfonic acid, 7-[4-(2,5-dichlorobenzoyl)phenoxy]-, bis(2,2-dimethylpropyl) ester, polymer with bis(4-chlorophenyl)methanone and 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis[phenol] (9CI) (CA INDEX NAME)

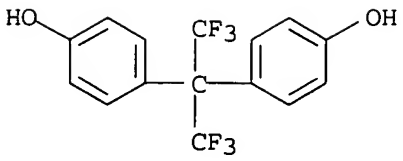
CM 1

CRN 663920-31-8
CMF C33 H34 Cl2 O8 S2



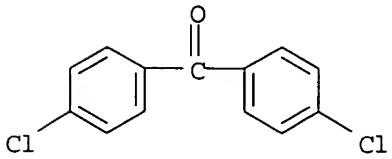
CM 2

CRN 1478-61-1
CMF C15 H10 F6 O2



CM 3

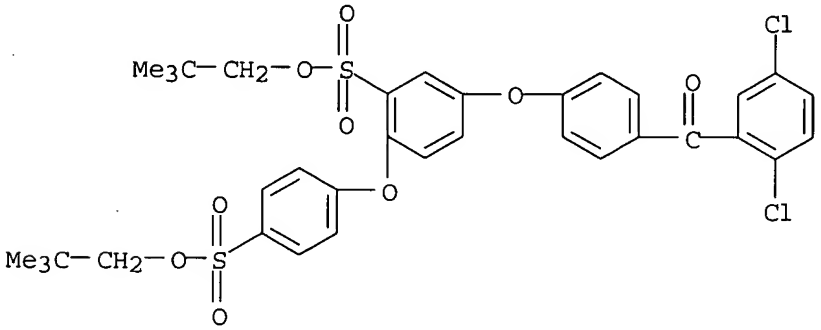
CRN 90-98-2
CMF C13 H8 Cl2 O



RN 663920-37-4 CAPLUS
CN Benzenesulfonic acid, 5-[4-(2,5-dichlorobenzoyl)phenoxy]-2-[4-[(2,2-dimethylpropoxy)sulfonyl]phenoxy]-, 2,2-dimethylpropyl ester, polymer with bis(4-chlorophenyl)methanone and 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis[phenol] (9CI) (CA INDEX NAME)

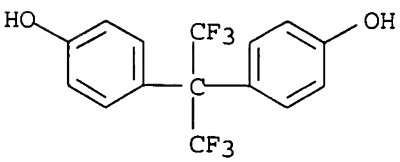
CM 1

CRN 663920-36-3
CMF C35 H36 Cl2 O9 S2



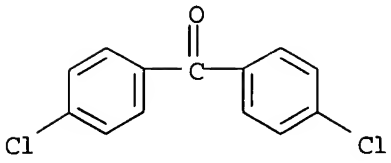
CM 2

CRN 1478-61-1
CMF C15 H10 F6 O2



CM 3

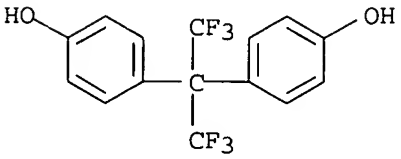
CRN 90-98-2
CMF C13 H8 Cl2 O



IT **122325-09-1P**, Bisphenol AF-4,4'-dichlorobenzophenone copolymer
RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(preparation of polyarylene-containing aromatic sulfonic acid for polymer solid
electrolyte and proton-conductive membrane)
RN 122325-09-1 CAPLUS
CN Methanone, bis(4-chlorophenyl)-, polymer with 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis[phenol] (9CI) (CA INDEX NAME)

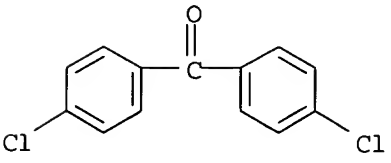
CM 1

CRN 1478-61-1
CMF C15 H10 F6 O2



CM 2

CRN 90-98-2
CMF C13 H8 Cl2 O



L47 ANSWER 6 OF 41 CAPLUS COPYRIGHT 2005 ACS on STN
TI Process for preparing **polyarylene** ethers

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI US 2003176621	A1	20030918	US 2002-40850	20020109
US 6716956	B2	20040406		
PRAI US 2002-40850		20020109		

IT **25897-65-8DP**, Bisphenol A-4,4'-difluorobenzophenone copolymer,